

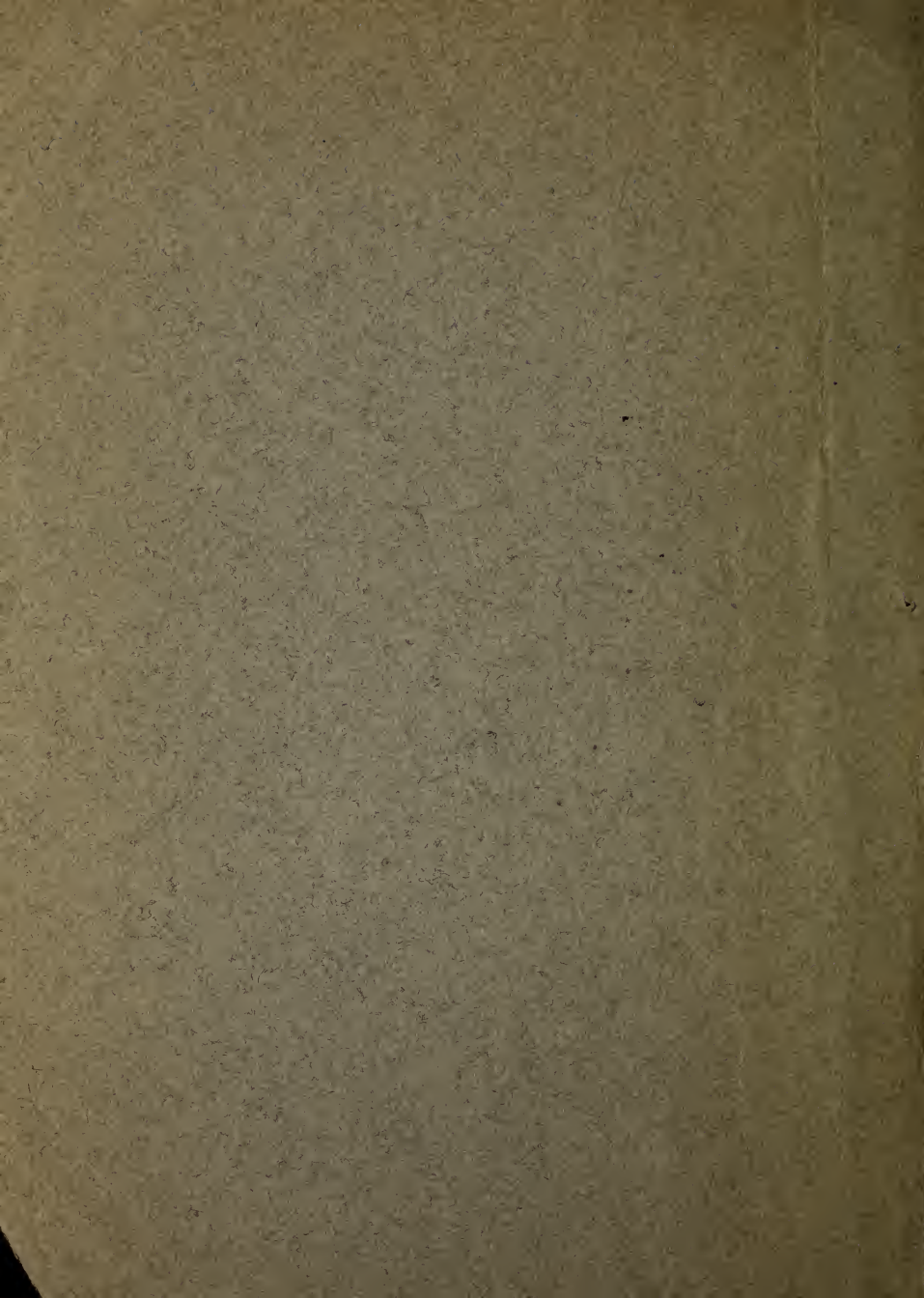
THE UNIVERSITY OF OREGON

CATALOGUE, 1913-1914
ANNOUNCEMENTS, 1914-1915



EUGENE

Published by the University
April, 1914



The University of Oregon

CATALOGUE 1913-1914
ANNOUNCEMENTS, 1914-1915

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April, 1914

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1914

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Vol. X, No. 9

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University of Oregon, Eugene, Oregon.

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CALENDAR, 1915

JANUARY							FEBRUARY							MARCH						
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24	25	26	27	28	29	30	28							28	29	30	31			
31																				

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

CALENDAR.

September 14.—Admission examinations.

September 15 to February 5.—First semester.

February 8 to June 16.—Second semester.

CALENDAR IN DETAIL.

September 14, Monday.	Entrance examinations at Eugene for the College of Literature, Science and the Arts, and the College of Engineering. Examinations for removal of conditions.
Sept. 15, Tuesday	} First semester opens. Payment of incidental fees and registration. Filing of applications for undergraduate, graduate and special student standing, if such applications have not already been filed. Instructors keep office hours for consultation with the students.
Sept. 16, Wednesday	
Sept. 17, Thursday.	All University work begins.
September 21, Monday.	Session of the School of Law begins in Portland.
Sept. 25, Friday.	Reception to the new students by the Christian Associations.
October 1, Thursday.	Session of the School of Medicine begins in Portland.
October 2, Friday.	Freshman acquaintance party.
October 3, Saturday.	Student Body party.
October 7, Wednesday.	Regular meeting of Associated Students.
November 25, 12 M. to	} Thanksgiving recess.
November 29, Sunday	
December 7, Monday	} Examinations for removal of conditions.
December 8, Tuesday	
December 12, Saturday.	Sophomore party, Gymnasium.
December 19, Saturday to January 3, Sunday, inclusive.	} Christmas vacation.
January 4, Monday.	
	Recitations begin 8 A. M., after Christmas holidays.

January 19, Tuesday.	Regular meeting of the Board of Regents, Villard Hall.
January 22, Friday.	Last date for filing with Registrar subjects for Failing and Beekman orations.
January 22, Friday.	Annual contest in Oratory to choose representative for Intercollegiate contest.
February 1, Monday	Mid-year examinations begin.
February 5, Friday.	First semester ends.
February 8, Monday.	Second semester begins.
February 12, Friday.	Annual contest in Oratory to choose representative for Interstate contest.
February 13, Saturday.	Freshman party, Gymnasium.
February 22, Monday.	Washington's birthday. A holiday.
Feb. 24, Wednesday.	Regular meeting of Associated Students.
April 10, Saturday	} Spring vacation.
April 18, Sunday.	
April 24, Saturday.	
April 24, Saturday.	Preliminary tryout for Failing and Beekman orators.
April 24, Saturday.	Date for filing with the Registrar type-written copies of the Failing and Beekman orations.
May 3, Monday	} Examinations for removal of conditions.
May 4, Tuesday.	
May 5, Wednesday.	
May 5, Wednesday.	Regular meeting of Associated Students.
	Annual election.
May 14, Friday	} Junior Week-End Holidays.
May 15, Saturday.	
May 21, Friday.	
May 24, Monday.	Graduating exercises, Portland, Department of Law.
May 24, Monday.	Last date for filing graduate theses with the Registrar.
May 30, Sunday.	Memorial Day.
May 31, Monday.	Last date for filing senior theses with the Registrar.
June 3, Thursday.	Graduating exercises, School of Medicine.
June 7, Monday.	Final examinations begin.

COMMENCEMENT WEEK.

- June 13, Sunday. Baccalaureate sermon, 11 A. M.
- June 14, Monday. Field day, 2 P. M.; recital School of Music, 8 P. M.
- June 15, Tuesday. State Alumnae Association meeting, Villard Hall, 9 A. M.; Alumni business meeting, Villard Hall, 10 A. M.; President's reception, 3 P. M.; Failing-Beekman contest, 8 P. M.
- June 15, Tuesday. Regular meeting of the Board of Regents, President's office, Villard Hall.
- June 16, Wednesday. Commencement exercises, 10 A. M.; Alumni banquet, 1 P. M.; Alumni ball, 9 P. M.

REGULAR MEETINGS OF THE BOARD OF REGENTS, 1914-15.

Tuesday, January 19,	1915
Tuesday, June 15,	1915

REGULAR MEETINGS OF THE FACULTY, 1914-15.

Thursday, October 1,	1914
Thursday, November 5,	1914
Thursday, December 3,	1914
Thursday, January 7,	1915
Thursday, February 4,	1915
Thursday, March 4,	1915
Thursday, April 1,	1915
Thursday, May 6,	1915
Thursday, June 3,	1915

REGULAR MEETINGS OF THE ATHLETIC COUNCIL, 1914-15.

Saturday, September 12,	1914
Saturday, December 12,	1914
Saturday, March 13,	1915
Saturday, June 12,	1915

REGULAR MEETINGS OF ASSOCIATED STUDENTS, 1914-15.

Wednesday, October 7,	1914
Wednesday, February 24,	1915
Wednesday, May 5,	1915

Officers of the University

THE BOARD OF REGENTS.

OFFICERS.

HON. ROBERT S. BEAN, President.

L. H. JOHNSON, Secretary.

EXECUTIVE COMMITTEE.

HON. ROBERT S. BEAN, Chairman.

HON. SAMSON H. FRIENDLY.

HON. CHARLES H. FISHER.

HON. CYRUS A. DOLPH.

HON. A. C. DIXON.

EX-OFFICIO MEMBERS.

HON. OSWALD WEST, Governor.....Salem

HON. BEN W. OLCOTT, Secretary of State.....Salem

HON. J. A. CHURCHILL, Supt. of Public Instruction.....Salem

APPOINTED BY THE GOVERNOR.

NAMES AND ADDRESSES.	TERM EXPIRES.
HON. CYRUS A. DOLPH, Portland.....	April 15, 1915
HON. WILLIAM SMITH, Baker City.....	April 15, 1915
HON. FREDERICK V. HOLMAN, Portland.....	April 15, 1915
HON. R. S. BEAN, Portland.....	April 15, 1917
HON. MILTON A. MILLER, Portland.....	April 15, 1917
HON. SAMSON H. FRIENDLY, Eugene.....	April 15, 1919
HON. W. K. NEWELL, Gaston.....	April 15, 1921
HON. A. C. DIXON, Eugene.....	April 15, 1923
HON. CHARLES H. FISHER, Salem.....	April 15, 1923
HON. JAMES W. HAMILTON, Roseburg.....	April 1, 1925

ADMINISTRATIVE OFFICERS.

 THE UNIVERSITY.

P. L. CAMPBELL, B. A., LL. D.....	President
A. R. TIFFANY, B. A.....	Registrar
LOUIS H. JOHNSON.....	Financial Agent
M. H. DOUGLASS, M. A.....	Librarian
W. M. SMITH, Ph. D.....	Secretary to President

THE COLLEGES AND SCHOOLS.

FREDERICK GEORGE YOUNG, B. A.....	Dean of Graduate School
JOHN STRAUB, M. A., Lit. D.,.....	
.....	Dean of College of Literature, Science, and the Arts
EDWARD HIRAM MCALISTER, M. A.,	Dean of College of Engineering
FRED CARLETON AYER, M. S., M. A.,.....	Dean of School of Education
K. A. J. MACKENZIE, M. D.....	Dean of School of Medicine
C. U. GANTENBEIN, LL. B.....	Dean of School of Law
RALPH H. LYMAN, B. A.....	Dean of School of Music
M. RUTH GUPPY, B. L.....	Dean of Women

OFFICERS OF INSTRUCTION.

THE FACULTY.*

P. L. CAMPBELL, B. A., LL. D.	EUGENE
President of the University.	
B. A. Harvard University, 1886.	
LL. D. University of Colorado, 1913.	
PERCY PAGET ADAMS, B. S.,	EUGENE
Professor of Civil Engineering.	
B. A. University of Oregon, 1901; B. S., 1902.	
ERIC W. ALLEN, B. A.	EUGENE
Professor of Journalism.	
B. A. University of Wisconsin, 1901.	
BURDETT L. ARMS, M. D.,	PORTLAND
Acting Associate Professor of Bacteriology.	
WILLIAM FRANKLIN ALLISON, B. S., C. E.	EUGENE
Professor of Hydraulic and Sanitary Engineering.	
B. S. South Dakota State College, 1895.	
B. S. (C. E.) Purdue University, 1897.	
Graduate Student Purdue University, 1902.	
C. E. Cornell University, 1904.	
FRED CARLETON AYER, M. S., M. A.,	EUGENE
Professor of Education.	
B. A. Upper Iowa University, 1902.	
M. S. Georgetown University, 1905.	
M. A. University of Chicago, 1912.	
Fellow at Georgetown University, 1905.	
Scholar and Fellow in Education, University of Chicago, 1912-13.	
JAMES DUFF BARNETT, Ph. D.,	EUGENE
Professor of Political Science.	
B. A. Emporia.	
Ph. D. University of Wisconsin.	

*With the exception of the President the Faculty are arranged in alphabetical order. Separate lists of the faculty will be found under their respective schools.

- BENJAMIN B. BEEKMAN, A. B., LL. B. PORTLAND
Lecturer on Agency.
- JAMES FRANCIS BELL, M. D., L. R. C. P. (London) PORTLAND
Professor of Theory and Practice of Medicine.
- HUGO BEZDEK, B. A., EUGENE
Assistant Professor of Outdoor Athletics.
B. A. University of Chicago, 1906.
- ROBERT L. BENSON, M. D. PORTLAND
Professor of Pathology.
- OTTO SALY BINSWANGER, Ph. D., M. D. PORTLAND
Professor of Chemistry and Toxicology.
- JOHN FREEMAN BOVARD, M. S. EUGENE
Professor of Zoology.
B. S. University of California, 1903; M. S., 1906.
- WILLIAM PINGRY BOYNTON, Ph. D. EUGENE
Professor of Physics.
A. B. Dartmouth College, 1890; A. M., 1893.
Scholar and Fellow in Physics, Clark University, 1894-97.
Ph. D., Clark University, 1897.
- JULIA BURGESS, M. A. EUGENE
Assistant Professor of Rhetoric.
B. A. Wellesley College.
M. A. Radcliffe College.
- FRANCIS D. CHAMBERLAIN, A. B., LL. B. PORTLAND
Lecturer on Corporations and Partnership.
- ROBERT CARLTON CLARK, Ph. D. EUGENE
Professor of History.
B. A., M. A. University of Texas, 1901.
Ph. D. University of Wisconsin, 1905.
- JOHN B. CLELAND, LL. B. PORTLAND
Lecturer on Torts and Sales.
- TIMOTHY CLORAN, Ph. D. EUGENE
Professor of Romance Languages.
A. B. Western Reserve University, 1891.
Student Universities of Berlin and Strassburg, 1897-99.
Ph. D. University of Strassburg, 1901.
Student University of Paris, 1904-05.
Student University of Madrid, 1905-06.

ARTHUR J. COLLIER, M. A. EUGENE

Professor of Geology.

B. A. University of Oregon, 1888.

M. A. University of Oregon, 1893.

B. S. Harvard University, 1894.

EDMUND S. CONKLIN, Ph. D. EUGENE

Professor of Psychology.

B. H. Springfield (Mass.), 1908.

Scholar and Fellow in Psychology, Clark University, 1908-11.

A. M. Clark University, 1909.

Ph. D. Clark University, 1911.

JOHN M. CONNOLLY, M. D. PORTLAND

Professor of Physiological Chemistry.

CHARLES W. CONVERSE, M. A. EUGENE

Professor of Electrical Engineering.

B. A. University of Oregon, 1902; M. A., 1905.

RICHARD HAROLD DEARBORN, M. E. EUGENE

Professor of Electrical Engineering.

A. B. Portland University, 1895.

M. E. Cornell University, 1900.

EDGAR EZEKIEL DECOU, M. S. EUGENE

Professor of Mathematics.

B. S. University of Wisconsin, 1894.

M. S. University of Chicago, 1897.

Graduate Student University of Chicago, 1899-1900.

University Scholar Yale University, 1900-01.

RICHARD BENJAMIN DILLEHUNT, B. S., M. D. PORTLAND

Professor of Anatomy and Assistant Dean.

FREDERIC STANLEY DUNN, M. A. EUGENE

Professor of Latin Language and Literature.

B. A. University of Oregon, 1892.

B. A. Harvard University, 1894.

M. A. University of Oregon, 1899.

M. A. Harvard University, 1903.

- COLIN VICTOR DYMENT, B. A., .. EUGENE
 Professor of Journalism.
 B. A. University of Toronto (University College), 1900.
- CHARLES H. EDMONDSON, Ph. D., EUGENE
 Assistant Professor of Zoology.
 B. Ph. University of Iowa, 1903.
 M. S. University of Iowa, 1904.
 Ph. D. University of Iowa, 1906.
- ROBERT H. ELLIS, M. D., PORTLAND
 Assistant Professor of Obstetrics.
- WALTER H. EVANS, B. S., LL., B., PORTLAND
 Lecturer on Negotiable Instruments.
- FRED GOODRICH FRINK, B. S., M. S., EUGENE
 Professor of Engineering and Mathematics in Extension Division.
 B. S. in Civil Engineering, University of Michigan.
 M. S. University of Chicago.
 Special Student Sanitary Engineering, Massachusetts
 Institute of Technology.
- CALVIN U. GANTENBEIN, LL. B., PORTLAND
 Dean of the School of Law, and Professor of Criminal
 Law, Torts and Evidence.
- WILLIAM BALL GILBERT, LL. D., PORTLAND
 Lecturer on Constitutional Law.
- J. ALLEN GILBERT, Ph. D., M. D., PORTLAND
 Assistant Professor of Medicine.
- JAMES HENRY GILBERT, Ph. D., EUGENE
 Professor of Economics.
 B. A. University of Oregon, 1903.
 Ph. D. Columbia University, 1907.
- M. RUTH GUPPY, B. L., EUGENE
 Dean of Women.
 B. L. University of Michigan, 1887.
 Student Stanford University, 1901-02.
 Student University of Berlin, 1903.

- MONTANA HASTINGS, B. S.,
Assistant Professor of Education.
B. S. Columbia University, 1909.
Graduate Student Columbia University.
Graduate Student University of Chicago.
Graduate Student University of Jena. EUGENE
- WILLIAM L. HAYWARD,
Director of Men's Gymnasium. EUGENE
- CLIFTON FREMONT HODGE, Ph. D.,
Professor of Civic Biology.
A. B. Ripon College, 1882.
Fellow in Biology Johns Hopkins University, 1888-89.
Ph. D. Johns Hopkins University, 1889. EUGENE
- EDWARD WILLIAM HOPE, Ph. D.,
Professor of Law.
B. A. University of Pennsylvania, 1898.
Graduate Student Universities of Berlin and Munich,
1901-02.
M. A. Stanford University, 1903.
Ph. D. Johns Hopkins University, 1905. EUGENE
- WILLIAM HOUSE, M. D.,
Assistant Professor of Nervous and Mental Diseases. PORTLAND
- HERBERT CROMBIE HOWE, B. A.,
Professor of Modern English Literature.
B. A. Cornell University, 1893.
Graduate Scholar Cornell University, 1893-94, 1894-95. EUGENE
- SIMEON EDWARD JOSEPHI, M. D.,
Professor of Nervous and Mental Diseases. PORTLAND
- J. C. ELLIOTT KING, M. D.,
Assistant Professor of Dermatology and Syphilology. PORTLAND
- OTTO J. KRAEMER, LL. B.,
Lecturer on Justice's Court Practice. PORTLAND
- EDMUND JOHN LABBE, M. D.,
Professor of Pediatrics. PORTLAND

- HEMAN BURR LEONARD, Ph. D., EUGENE
 Professor of Mathematics.
 B. S. (E. E.) University of Michigan, 1895.
 Ph. D. University of Colorado, 1906.
- RALPH HAINE LYMAN, B. A., EUGENE
 Professor of Music and Dean of School of Music.
 B. A. Grinnell College, 1907.
- ALBERT EDWARD MACKAY, M. D., PORTLAND
 Professor of Diseases of Genito-Urinary Organs.
- JOHN DICE MACLAREN, M. S., M. D., PORTLAND
 Professor of Physiology.
- KENNETH ALEXANDER J. MACKENZIE, M. D., C. M., L. R. C. PORTLAND
 P. & L. R. C. S., Edinburgh.
 Dean of the School of Medicine and Professor of Oper-
 ative and Clinic Surgery.
- RALPH CHARLES MATSON, M. D., PORTLAND
 Assistant Professor of Bacteriology.
- EDWARD HIRAM MCALISTER, M. A., EUGENE
 Dean of the College of Engineering and Professor of
 Civil Engineering.
 B. A. University of Oregon, 1890.
 M. A. University of Oregon, 1893.
- CARL ARTHUR MCCLAIN, C. E., EUGENE
 Professor of Civil Engineering.
 B. S. University of Oregon, 1906.
 C. E. University of Oregon, 1912.
- FRANKLIN CHAMBERS MCLEAN, M. S., M. D., PORTLAND
 Professor of Materia Medica and Pharmacology.
- RICHARD W. MONTAGUE, Ph. B., LL. B., PORTLAND
 Lecturer on Equity.
- HENRY H. NORTHUP, LL. B., PORTLAND
 Lecturer on Pleading, Practice, and Probate Law.
- RICHARD NUNN, B. A., B. Ch., M. D., PORTLAND
 Professor of Diseases of Eye, Ear, Nose, and Throat.

THOMAS O'DAY, LL. B., Lecturer on Bailments and Carriers.	PORTLAND
MARY HOLLOWELL PERKINS, M. A., Assistant Professor of Rhetoric. B. A. Bates College. M. A. Radcliffe College.	EUGENE
ROBERT W. PRESCOTT, B. A., Assistant Professor of Public Speaking. B. A. University of Oregon, 1908.	EUGENE
GEORGE REBEC, Ph. D., Professor of Philosophy. B. Ph. University of Michigan, 1897. Ph. D. University of Michigan, 1897.	EUGENE
ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking. Graduate Emerson College of Oratory. B. A. Valparaiso University (Honorary).	EUGENE
JOSEPH SCHAFER, Ph. D., Professor of History. B. L. University of Wisconsin, 1894. M. L. University of Wisconsin, 1899. Fellow University of Wisconsin, 1900. Ph. D. University of Wisconsin, 1906.	EUGENE
FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of the German Language and Literature. Student at the University of Erlangen, 1888-90. Student at Johns Hopkins University, 1893-96. University Scholar at Johns Hopkins University, 1894-95. Fellow at Johns Hopkins University, 1895-96. Ph. D. Johns Hopkins University, 1896.	EUGENE
FREDERICK LAFAYETTE SHINN, Ph. D., Professor of Chemistry. A. B. Indiana University, 1901. A. M. Indiana University, 1902. Scholar Yale University, 1902. Ph. D. University of Wisconsin, 1906.	EUGENE

- WILLIAM MACKEY SMITH, Ph. D.,
Professor of Mathematics.
B. A. Lafayette College, 1903.
Fellow Columbia University, 1910.
Ph. D. Columbia University, 1911.
EUGENE
- DON C. SOWERS, B. A.,
Professor of Municipalities and Public Accounting.
B. A. Baker University, 1904.
Graduate Student Columbia University, 1910-12.
Member of Training School for Public Service Con-
ducted by Bureau of Municipal Research, New York
City, 1913.
EUGENE
- ORIN FLETCHER STAFFORD, M. A.,
Professor of Chemistry.
B. A., M. A. University of Kansas.
EUGENE
- GEORGE BURNSIDE STORY, M. D.,
Professor of Physiology.
PORTLAND
- FRED L. STETSON, M. A.,
Assistant Professor of Education.
Whitewater Normal, Wisconsin, Graduate, 1904.
B. A. University of Washington, 1911.
M. A. University of Washington, 1913.
EUGENE
- JOHN STRAUB, M. A., Lit. D.,
Dean of the College of Literature, Science and the Arts,
and Professor of Greek Language and Literature.
A. B. Mercersburg College, 1876.
A. M. Mercersburg College, 1879.
Lit. D., Franklin and Marshall College, 1913.
EUGENE
- BERTHA STUART, B. A., M. D.,
Director of Women's Gymnasium.
A. B., M. D. University of Michigan.
EUGENE
- ALBERT RADDIN SWEETSER, M. A.,
Professor of Botany.
B. A. Wesleyan University, 1884.
A. M. Wesleyan University, 1887.
EUGENE

- | | |
|--|----------|
| EDWARD THORSTENBERG, Ph. D.,
Professor of Scandinavian Languages and Literatures.
B. A. Bethany College, 1899.
Scholar Yale University, 1900-03.
M. A. Yale University, 1902.
Ph. D. Yale University, 1904. | EUGENE |
| EDWARD ALLEN THURBER, M. A.,
Professor of Rhetoric and American Literature.
B. A. Yale University, 1891.
M. A. Harvard University, 1894. | EUGENE |
| ERNEST FANNING TUCKER, B. A., M. D.,
Professor of Gynecology. | PORTLAND |
| ARTHUR L. VEAZIE, M. A., LL. B.,
Lecturer on Real Property. | PORTLAND |
| CALVIN S. WHITE, M. D.,
Assistant Professor of Medicine. | PORTLAND |
| GEORGE SHATTUCK WHITESIDE, M. D.,
Assistant Professor of Genito-Urinary Diseases. | PORTLAND |
| OTIS BUCKMINSTER WIGHT, B. A., M. D.,
Assistant Professor of Gynecology. | PORTLAND |
| GEORGE FLANDERS WILSON, M. D.,
Professor of Principles and Practice of Surgery. | PORTLAND |
| ROY MARTIN WINGER, Ph. D.,
Assistant Professor of Mathematics.
B. A. Baker University, 1906.
Fellow Johns Hopkins University, 1911-12.
Ph. D. Johns Hopkins University, 1912. | EUGENE |
| CHARLES E. WOLVERTON, B. A., LL. D.,
Lecturer on Federal Procedure. | PORTLAND |
| ROBERT CLARK YENNEY, M. D.,
Professor of Clinical Medicine. | PORTLAND |
| FREDERICK GEORGE YOUNG, B. A.,
Dean of Graduate School and Professor of Economics
and Sociology.
B. A. Johns Hopkins University, 1886.
University Scholar Johns Hopkins University, 1886-87. | EUGENE |

JAMES CULLEN ZAN, M. D.,

Associate Professor of Clinical Surgery.

PORTLAND

INSTRUCTORS AND ASSISTANT INSTRUCTORS.

CECELIA SMITH BELL, B. A.,

Assistant Instructor in English Literature.

B. A. University of Oregon, 1911.

EUGENE

ALBERTA CAMPBELL, B. A.,

Assistant Instructor in English Literature.

B. A. University of Oregon, 1912.

EUGENE

ALBERT EDWARD CASWELL, Ph. D.,

Instructor in Physics.

A. B. Leland Stanford Junior University, 1908.

Ph. D. Leland Stanford Junior University, 1911.

EUGENE

KARL M. DALLENBACH, Ph. D.,

Instructor in Psychology.

A. B. University of Illinois, 1910.

M. A. University of Pittsburgh, 1911.

Ph. D. Cornell University, 1913.

EUGENE

FRIEDA GOLDSMITH, A. B.,

Assistant Instructor in Women's Gymnasium.

A. B. University of Oregon, 1912.

EUGENE

MOZELLE HAIR, B. A.,

Secretary Correspondence-Study Department.

B. A. University of Oregon, 1908.

EUGENE

RUTH M. HOWELL, B. A.,

Assistant Instructor in Botany.

B. A. University of Oregon, 1912.

WILLIAM B. KEMPTHORNE, Ph. B.,

Instructor in Mathematics.

Ph. B. University of Wisconsin, 1907.

EUGENE

CAMILLA LEACH,

Assistant Instructor in Drawing.

EUGENE

GRACE BURR LEWIS,

Assistant Instructor in Women's Gymnasium.

EUGENE

GEORGE HUGH ROE O'DONNELL, B. A., Instructor in German. B. A. University of Idaho, 1912.	EUGENE
JOHN P. O'HARA, Ph. B., Instructor in History. Ph. B. University of Notre Dame, 1902. Student of History University of Paris, 1905-06.	EUGENE
GRAHAM JOHN MITCHELL, M. A. Instructor in Geology. B. S. University of Oregon, 1912. M. A. Columbia University, 1913.	EUGENE
MABEL HOLMES PARSONS, M. A., Instructor in Rhetoric. B. A., M. A. University of Michigan.	EUGENE
ELLEN M. PENNELL, Instructor in Rhetoric and Art.	EUGENE
CHARLES ROY REID, E. E., Instructor in Electrical Engineering. B. S. University of Oregon, 1906. E. E. University of Oregon, 1912.	EUGENE
ETHEL I. SANBORN, M. A., Curator of Herbarium. B. S. State College, South Dakota, 1903. B. A. University of South Dakota, 1904. M. A. University of South Dakota, 1907.	EUGENE
HARRIET THOMPSON, B. A., Instructor in Physical Training. B. A. University of Michigan.	EUGENE
MARY WATSON, M. A., Instructor in English Literature. B. A. University of Oregon, 1909. M. A. University of Oregon, 1911.	EUGENE

STAFF OF THE SCHOOL OF MUSIC.

RALPH H. LYMAN, A. B., Dean of the School of Music and Instructor in Voice.	EUGENE
MRS. A. MIDDLETON, Assistant Instructor in Voice.	EUGENE
WINIFRED FORBES, Instructor in Violin.	EUGENE
HERMIONE HAWKINS, Instructor in Piano.	EUGENE
CARL V. LACHMUND, Of Lachmund Conservatory in Portland, Associate In- structor in Piano.	EUGENE
AVIS BENTON, Of Lachmund Conservatory, Associate Instructor in Piano.	EUGENE
ALBERTA CAMPBELL, Assistant Instructor in Piano.	EUGENE
NELL MURPHY, Assistant Instructor in Piano.	EUGENE
INA WATKINS Assistant Instructor in Piano.	EUGENE
RUTH DAVIS, Assistant Instructor in Piano.	EUGENE
JESSIE FARRISS, Assistant Instructor in Piano.	EUGENE
MRS. ROSE POWELL, Instructor in Public School Music.	EUGENE
MAE A. NORTON, Secretary of the School of Music.	EUGENE

LIBRARY STAFF.

M. H. DOUGLASS, M. A.,	Librarian
MARGARET C. UPLEGER,	Reference Librarian
BEATRICE J. BARKER, Ph. B.,	Cataloguer
MABEL EATON MCCLAIN, B. A.,	Assistant
OLGA E. OLSEN, B. A.,	Assistant
ROY C. ANDREWS,	Student Assistant
MILDRED G. BROWN,	Student Assistant
B. G. FLEISCHMAN,	Student Assistant
J. B. MCCARTHY,	Student Assistant
G. M. RUCH,	Student Assistant
PAULINE VAN ORSDEL,	Student Assistant

COMMITTEES OF THE FACULTY.*

THE UNIVERSITY COUNCIL—Consisting of the President of the University and all the full professors of departments at Eugene, who together constitute the legal faculty of the University.

THE ACADEMIC COUNCIL—The Executive Committee of the University Council—the President, Professors Young, Straub, McAlister, Ayer and Miss Guppy.

THE GRADUATE COUNCIL—Professors Young, McAlister, Schmidt, Howe and Stafford.

UNIVERSITY EXTENSION—Professors Ayer, Dunn, Schmidt, Howe and Stafford.

ATHLETICS—Professors Howe, Leonard and Hayward.

CREDENTIALS—Professors Young, Schafer and DeCou.

SPECIAL STUDENTS—Professors DeCou, Young, Sweetser and the President.

LIBRARY—Hon. R. S. Bean, President of the Board of Regents, and the Librarian.

ADVISORY—The President, Professors Young, Straub and Schafer.

ADVANCED STANDING—Professors Stafford, McAlister and Dunn.

STUDENT AFFAIRS—The President, Professors Bovard, Straub, Smith and Miss Guppy.

REVISION OF STUDENT'S COURSES—Professors DeCou, Straub and Dearborn.

STUDENT LOAN FUND—The President, Dean Straub, Dean Guppy, the Steward and the Registrar.

APPOINTMENT COMMITTEE—Professors Ayer, Schafer, Boynton, Thurber, Schmidt, DeCou and Dunn.

GRADES—The Registrar, Professors McAlister and Bovard.

*The President of the University is *ex-officio* member of all committees.

The University of Oregon

INTRODUCTION.

HISTORICAL SKETCH.

The University of Oregon was established by act of the State Legislature October 19, 1872, and located at Eugene. Deady Hall, the first University building, was erected by the citizens of Lane County, and presented to the Board of Regents in July, 1876. In September of the same year, the University opened its doors for the reception of students. The first class was graduated in June, 1878.

The preamble of the act of October 21, 1876, entitled, "An Act to provide for the support and government of the University of Oregon," is as follows:

"WHEREAS, by an Act of the Legislative Assembly, approved October 19, 1872, it was provided that, in order to devote to the purposes of education the seventy-two sections of land donated to the State for the use and support of a State University by the Act of Congress of February 14, 1859, a State University, having for its design to provide instruction and complete education in all the departments of science, literature, professional pursuits and general education, be created and permanently located at Eugene; *provided*, that the Union University Association of Eugene should, on or before January 1, 1874, secure a site for the same at or in the vicinity of Eugene, and erect thereon and furnish a building of not less value than fifty thousand dollars, for the use of said University, on a plan to be approved, and after the erection of the same, to be adopted, by the board of commissioners for the sale and management of the school and university lands, and for the investment of the funds arising therefrom; and

"WHEREAS, said University Association of Eugene, having duly provided a site for said University, and erected thereon, on a plan first approved by said board of commissioners, a building for the use thereof, as provided in said Act of October 19, 1872, which site and building was by said board of commissioners, in July, 1876, duly accepted, and has since been duly conveyed by said University Association to the board of directors of said University; and

"WHEREAS, the directors of the University aforesaid did, in pursuance of an Act of October 19, 1872, on August 9, 1876, elect and appoint a president and two professors of said University and

also a principal and assistant teacher of the preparatory department therein, and did also 'fix the salaries of said president, professors and teachers and prescribe the tenure of their offices, the beginning and end of the school year of said University, the studies to be pursued thereat, the admission fees and rates of tuition, together with the qualifications for admission therein;' therefore, "*Be it enacted by the Legislative Assembly of the State of Oregon:*

"That the interest which may hereafter accrue on the fund arising from the sale of the University lands aforesaid, is hereby set apart and perpetually appropriated to the maintenance, use and support of the 'University of Oregon.'"

The equipment of the University was at first very small, and the courses of instruction were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School was established in 1884, and the Medical School in 1887. With the growth and development of the State, the University has increased in numbers and financial resources. Buildings have been erected, new departments added, and a large equipment installed.

The most important single gift to the University was that of \$50,000 made by Henry Villard in 1883 for general endowment.

During the early years of the institution, the only high schools in the State were located in two or three of the larger cities, and it was necessary for the University to offer academic courses in order that students graduating from the schools in smaller towns might continue their work by coming directly to the University. As the high school system of the State developed, it became possible to discontinue the first year of the academy course; a little later the second year was dropped, and finally, in 1904, the academy was entirely abolished.

A similar growth may be seen in the evolution of the present course of study. When the University first opened its doors in 1876, the work of the different courses was practically all required. After a few years, options were allowed in the choice of language groups, and substitutions were permitted for some of the technical requirements. Later a great number of possible combinations of required courses were offered, with a few elective hours. Then came the group system with the work for the first two years required, and the greater portion of the last two years elective except for a major elective requirement.

Finally, during the year 1904-05, the University adopted practically a free elective system of undergraduate study, with a major requirement not to exceed one-third of the one hundred and twenty semester hours necessary for graduation. The only specific requirements, besides the major, are twelve semester hours of gymnasium work, and two year-courses in some language other than English. It is found that by means of the major requirement, the University is able to give a wise direction to the student's chosen line of work. On the other hand, the limit placed on the amount of required work encourages the enlargement of the student's field of study, and makes possible a broad, general culture.

THE UNIVERSITY AND THE STATE.

The aim of the University of Oregon in its relation to the educational system of the State is two-fold: First, to supplement the work of the high schools with a four years' university course. Second, to encourage graduate study. In the State's public school system, the University sustains a similar relation to the high schools that the high schools sustain to the grammar grades. As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

While the University furnishes instruction in the various branches requisite for a liberal education, and in the technical branches of architecture, commerce, law, medicine and music, it also aims to encourage research work in its departments, and to offer to those who have completed college courses at the University or elsewhere an opportunity to do graduate work along general or special lines.

In addition to its work as a part of the public school system, the University attempts to aid in the State's development by gathering exact and detailed information concerning its industrial resources, and by investigating, through its several departments, such civic and industrial problems as are of special interest to the people of the State.

GOVERNMENT.

The government of the institution rests upon the inherent obligations of students to the University and to the State. The University is maintained at the public expense for the public good. Those who participate in its benefits are expected, as a matter of honor, not only to fulfill the obligations of loyal members of the institution, of the community, and of the commonwealth, but actively to aid in promoting intellectual and moral interests. Every student owes to the public a full equivalent for its expenditure in his behalf, in the form of superior usefulness to it, both while in the institution and afterwards. Students, therefore, cannot claim any exemption from the duties of good citizens and loyal members of the community and of the University; on the contrary, they are under peculiar obligations loyally to fulfill every duty. As members of the institution, they are held responsible for regular attendance and the proper performance of their duties. As members of the community, students are amenable to the law; and, if guilty of its infraction, are liable to a termination of their relations with the University. The University recognizes its civic relations and rests its administration upon civic obligations.

ENVIRONS.

The University of Oregon is located at Eugene, in Lane County, a rapidly growing city of 12,000 people. Eugene is one of the most prosperous towns in Oregon, but above all is a city of homes, with a sincere pride in its reputation as an ideal place in which to live. Many miles of hard paved streets give it an air of a city of much larger size. It has an excellent system of public schools, with five grade school buildings and a very fine new high school building. The high school has 700 students and is one of the largest in the State outside of Portland. All the leading denominations are represented by strong churches. The Eugene public library and the city Y. M. C. A. building are centers of interest.

NO SALOONS IN EUGENE.

There are no saloons in Eugene or in Lane County. Under the Oregon local option law the saloons in Eugene were voted out a number of years ago, and the majorities against them have increased at each subsequent election. The whole college and city life is entirely free from their evils.

BUILDINGS AND GROUNDS.

The University grounds are situated about one mile southeast of the center of the city. Electric cars pass the campus every few minutes, giving easy communication with the business section, and other parts of the city. The campus contains 80 acres of land, about evenly divided into two sections by East Thirteenth street. On the north campus are located the older University buildings; on the south campus the new administration building, the girls' dormitories, the President's house, and the athletic field. The buildings are situated on a natural rise of ground overlooking the city. Native and exotic trees and plants are interspersed here and there with rose hedges and flower gardens. The whole is a beautifully kept lawn, with handsome walks and drives, and is one of the beauty spots of the State. The Willamette River flows along its northern border and the snow covered Three Sisters and the peaks of the Coast Range are in full view.

The following buildings are located on the University grounds:

Deady Hall, a three story building, was presented to the State by the citizens of Lane County, and was named in honor of Matthew P. Deady, the first president of the Board of Regents. It contains the Botanical, Zoological and Physical laboratories, and the departments of Latin, Romance Languages, German, English Literature, and Political Science.

Villard Hall, erected in 1885, was named in honor of Henry Villard, the greatest individual donor to the University's endowment. It is an imposing cemented brick building, and contains the offices of the President, the Registrar, the Steward, the Dean of Women, the Assembly Hall of the University, the very valuable Condon geological collection, and the departments of Geology, Greek and Mathematics.

McClure Hall was built in 1900. It is devoted largely to the department of Chemistry, and is admirably adapted to its purpose. It has three floors, with laboratory facilities for 200 students, and contains the latest appliances for research work in all lines of mining and of manufacturing chemistry. It has hoods and ventilators for carrying of gases, electric motors for operating machinery, and is modern in every respect. It contains all the departments of Chemistry. The upper floor for the present is used

as class rooms in Mathematics, Psychology, and for the psychology laboratory. One-half of the basement has been fitted up for the temporary quarters of the department of Journalism.

Electrical Building, erected in 1901, contains the central heating and lighting plant of the University, and the department of Electrical Engineering. The shops are run by electricity and are well equipped with tools and machinery.

The Timber Testing Station was established in 1905. The testing laboratory is equipped with the latest machines and appliances necessary for testing the strength of timber, stone, and metals.

The Girls' Gymnasium is a brick building well fitted with suitable apparatus for the use of the women of the University only. The first floor contains the main hall, a room 45x70 feet, and the Director's office. The basement is completely fitted with shower baths, steel lockers, and dressing rooms.

The Men's Dormitory, erected in 1893, is a three-story brick building, equipped with electric lights, steam heat, hot and cold baths, well furnished parlors and every convenience for the comfort of its guests. For full information concerning rates and accommodations, see department of catalogue, "Student Expenses."

The Library Building, built in 1907, is a two story and basement building of buff pressed brick. On account of the rapid growth of the library, a new fire-proof stock room, of steel and concrete construction, was added in 1913. The library is located south of Deady Hall near Thirteenth Street. The first floor contains the general reading room and a general reference room, and the offices of the Cataloguer. A part of the second floor is used for class rooms.

Mary Spiller Hall, erected in 1907, will accommodate about 20 girls. It is a two-story and basement building, modern in all respects, well heated and lighted and comfortably fitted for living. For full information regarding the cost of board and room and of accommodations, see department of catalogue, "Student Expenses."

Engineering Hall was completed in February, 1909. It is a handsome two-story building, located on University avenue, directly east of Mechanical Hall, and was designed especially for engineering instruction. It houses all of the departments of Civil Engineering. The general University repair shops are located in the basement.

The Men's Gymnasium. The new gymnasium for men is one of the best arranged on the Coast. It is fitted completely with all modern conveniences, the best apparatus, an indoor running track, a swimming pool, shower baths, lockers, etc.

The athletic field has a four-lap track surrounding a well constructed football field. The grand stand and the bleachers will seat 3,500 people.

Administration Hall, now in process of erection, will furnish offices for all administrative officers and for the Deans. The first floor will be used for class rooms and the second for offices. The building will cost \$100,000.

THE UNIVERSITY LIBRARY.

STAFF.

M. H. DOUGLASS, M. A.....	Librarian
BEATRICE J. BARKER, Ph. B.....	Cataloguer
MARGARET C. UPLEGER.....	Reference and Loan Librarian
MABEL EATON MCCLAIN, B. A.....	Assistant
OLGA E. OLSEN, B. A.....	Assistant
ROY C. ANDREWS.....	Student Assistant
MILDRED G. BROWN.....	Student Assistant
B. G. FLEISCHMAN.....	Student Assistant
J. B. MCCARTHY.....	Student Assistant
G. M. RUCH.....	Student Assistant
PAULINE VAN ORSDEL.....	Student Assistant

RESOURCES.

The University library is a well selected and rapidly growing collection of books, now numbering something more than 47,000 volumes.

Since 1908, the regular annual appropriation for the purchase of books and periodicals and for binding has been \$10,000, though in 1911 and 1912, because of pressure in other directions the full amount was not available. This annual appropriation has made possible a much more rapid development of library resources than was possible previous to 1908, when the principal fund regularly available for the purchase of books was \$400 a year from the income of endowment given to the University by the late Henry Villard. During the past six years there have been added to the library about 31,500 volumes.

The library is supplied with the best general and special reference books; the files of the principal American and English periodicals of general interest are being secured, and purchases are also being made of the most needed sets of scientific and learned societies and other valuable works, both American and foreign. Between 450 and 500 periodicals are currently received, besides many of the daily and weekly newspapers of the State. The library is a depository for the public documents published by the United States Government.

POLICY.

The present annual appropriation for books, besides making it possible to secure those of which there is most pressing need, gives assurance that there will be built up at the University an exceedingly well equipped library for undergraduate work and for general reference purposes, and that provision will also be made for literature necessary for graduate research. At present special attention is being given to securing some of the reference books that have been most needed; to completing files of the most useful periodicals and continuations, both those of general interest and those needed for departmental purposes; to supplying the various departments with books most needed for work being done; and, in a general way, to building up a well rounded collection of books for working purposes.

REGULATIONS.

The library is open daily except Sunday from 7:45 A. M. to 9 P. M., except that on Fridays and Saturdays it is closed at 5:30 P. M. All students have free access to all the books of the library. Books, other than reference books and those especially reserved for use in the library, may be drawn for a period of one month and at the expiration of that time renewed if there is no other demand for them. All persons connected with the University have the privilege of drawing books, and the use of the library for reference purposes is extended to the general public as well. Books that can be spared from the university are also loaned to other libraries; to superintendents and principals of Oregon schools, and at times to individual citizens of the State.

CLASSIFICATION.

The library is classified according to the Dewey decimal system—the one in most general use in this country, and is catalogued on cards according to the most approved methods.

BUILDING.

The library building was erected in 1907 at a cost, exclusive of furnishings, of about \$26,000. Its ground dimensions are 90 by 60 feet, and it includes two stories above a high basement, the con-

struction material being of buff pressed brick and stone and the interior wood finish the Oregon fir. On the main floor are the general reading, reference, and periodical rooms, stack space for the shelving of the main collection of books, and three rooms for the cataloguing department. In the basement are the Librarian's office, the University book store, an unpacking room, storage space for newspapers, documents, duplicates, etc., and there are also two well lighted rooms now used for recitation purposes. On the second floor are five recitation rooms, a seminar room for the department of Economics, and an exhibition room for the display of art and other special collections. The reading room is furnished with handsome oak tables and chairs, with individual table lights and with the necessary provisions for comfortable reading and study. The building, though attractive and well arranged, has been outgrown, and provision was made by the last Legislature for the addition of a fire-proof stack room in which to shelve the books. This addition, which will be built during the summer of 1914, will be designed to have an ultimate capacity, in five stack tiers, of from 125,000 to 150,000 volumes and will provide for the estimated growth of the library during the next ten or twelve years.

THE UNIVERSITY MUSEUMS.

The University museums are three in number, as follows:

GEOLOGICAL.

The Geological museum occupies a room 40 by 80 feet on the first floor of Villard Hall. It contains:

(1) The Condon cabinet, consisting of many thousand specimens, and represents the life work of the late Dr. Thomas Condon. The cabinet is especially rich in vertebrate fossils from the John Day Valley, and contains in addition many invertebrate and paleobotanical specimens. This cabinet is the finest collection of paleontological specimens in the Pacific Northwest.

(2) A display collection of minerals. This is a growing collection of especially fine minerals.

(3) A type collection of minerals. A collection of about 1,500 minerals representative of the ordinary occurrence of the different minerals.

(4) A type collection of rock. This contains the United States Geological Survey educational series of rocks and many added from various sources, illustrating the rocks of the world.

(5) Mineral resources of Oregon. The object of this collection is to illustrate the mineral resources of Oregon. It consists of specimens of ores, building stones, and other mineral material of economic importance. The collection is growing and contributions from those engaged in developing the mineral resources are earnestly desired.

(6) An ethnological collection of tools and implements used by early man.

In the museum is also a cast of the Willamette meteor, the gift of Mr. E. A. Patullo, of Portland. The original meteorite was found 2½ miles west of Oregon City. Its dimensions are: Extreme length, 10 feet 3½ inches; breadth, 7 feet; height, 4 feet; estimated weight, 12-15 tons. It is now in the American Museum of Natural History, New York City. The museum, through Dr. E. O. Hovey, is said to have paid \$20,500 for this meteorite.

BOTANICAL.

The botanical museum consists of the following: (1) The Howell collection, consisting of 10,000 specimens, collected for the most part in Oregon, many of which are type specimens; (2) the Leiberg collection, presented to the University by Mr. John B. Leiberg in 1908, consisting of 15,000 sheets of specimens, collected principally from Oregon, Washington, and Idaho, but including also some from other states. The specimens are for the most part duplicates of others deposited in the National Herbarium at Washington by Mr. Leiberg for the Government while he was in its employ, and are extremely valuable; (3) the Cusick collection, consisting of 7,000 specimens of Oregon and other flora. These collections are being constantly added to by gift and exchange. All specimens not already classified are being classified and arranged in cases as rapidly as possible.

ZOOLOGICAL MUSEUM.

The Zoological Museum is located on the third floor of Deady Hall, where ample room is given for the exhibition cases. It contains a fine series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

It is further supplied with an excellent series of invertebrate animals, models of types from France and Germany. To this may be added casts of brains and head formations of various races, and a particularly fine series of wax models made from drawings by His in Zeigler's laboratory at Freiburg, illustrating different stages in the development of the human embryo and that of the chick; also a similar series showing the development of amphioxus, different forms of segmentation, etc.

THE UNIVERSITY LABORATORIES.

GEOLOGY.

Petrology. A working collection of hand specimens of rock is examined and identified by each student. The department also maintains apparatus for grinding thin sections of rocks and is equipped with petrographical microscopes.

Paleontology. The laboratory is especially well equipped for studying the paleontology of Oregon, and is rapidly adding a complete working collection of the fossils of all geologic ages.

MINERALOGY.

Mineralogy. The laboratory is equipped with specimens of minerals. During the course in mineralogy each student is required to identify about 1,000 different specimens.

Laboratory fee for the year's course in mineralogy and crystallography is \$10.

ELECTRICITY.

The electrical laboratory occupies one-half of the first floor of the Electrical Building, adjoining the University power plant. Electrical power is available from three sources: (1) Three phase alternating current from city service; (2) direct current from a 25-k. w. motor generator set, and (3) direct current from two 10-k. w. compound generators driven from a Russell engine. Other sources of power supply are a 10-h. p. Nagle engine and a 5-h. p. Alamo gasoline engine.

The electrical equipment consists of at least one each of the following pieces of standard apparatus: Series, shunt, compound, and interpole direct current generators and motors; alternating current generators of single-phase, two-phase, and three-phase windings, arranged for parallel operation; alternating current motors of the induction type, with squirrel cage, internal resistance and external resistance motors, repulsion motor, and synchronous motors; frequency changer; synchronous converter for three-phase or six-phase operation; transformers of various sizes for one, two, three, and six-phase combinations of alternating current; and one 10,000 volt testing transformer. Auxiliaries consist of one two-panel slate switchboard with instruments, generator and feeder

switches; plug switchboards for flexible wiring; lamp bank of 200 lamps arranged for 110 or 220-volt direct current, single or three-phase alternating current load; constant current transformer; mercury arc rectifier; storage battery; resistances; choke coils; alternating and direct current arc lamps, open and enclosed; circuit-breakers; switches, etc. Instruments include G. E. oscillograph for determination of alternating wave shapes; current and potential transformers; frequency indicator; power factor indicator; synchroscope; direct current, and single and polyphase watt-hour meters; rotating standard test meter; indicating watt-meters, ammeters, and voltmeters of the Weston, American and Thompson types for measurements up to 30-k. w.

In addition there are numerous pieces of apparatus to illustrate modern practice and to perform various experiments in telephone, telegraph, wireless, and illuminating engineering.

The shop equipment consists of the following:

Pattern shop: Combination rip and cut-off saw, planer, band saw, jig saw, lathes, hand tools, etc.

Forge shop: Down-draft forges equipped with motor driven blower and exhauster, anvils, vises, and the usual auxiliary small tools.

Machine shop: 16-inch and 9-inch engine lathes, planer, shaper, drill presses, centering machine, power hack saw, emery wheels, and small tools for bench work.

All shops are electric motor driven.

ARCHITECTURE.

The drafting rooms comprise two rooms on the second floor of the new Engineering Hall, fitted up with good, substantial tables, stools, filing cases, etc. One room, 42x47 feet, used for students in Drawing and Architecture, will accommodate 120 students. The other room, 22x30 feet, accommodates 40 students and is used for advanced classes in drafting.

The blue print room adjoining the drafting room is equipped with a dark room for storing and cutting sensitized paper, with printing frames and with a large sink and rack for washing and drying prints.

A room on the first floor is fitted up with special lockers in which is kept the surveying equipment, each locker containing a

complete party outfit for plane, topographic, and railroad surveying. The equipment includes one 7-inch Fauth & Co. theodolite, reading to ten seconds; two Berger & Sons' 4-inch theodolites; one Berger & Sons' complete mountain transit; one Fauth & Co. mountain transit with Saegmuller solar attachment; two Wissler transits, one with Burt solar attachment and one with Shattuck's solar attachment; one Heller & Brightly transit; one Gurley solar compass; one Gurley engineer's compass; one Gurley surveyor's compass; one Gurley plane table; one Berger & Sons' precise level; one Gurley 20-inch wye level; one Berger & Sons' dumpy level; one Wissler dumpy level, together with rods, poles, tapes, and pins necessary for complete party outfits. In addition to these there is a good equipment of hand instruments, such as aneroids, hand levels, clinometers, a sextant base line measuring apparatus; level trier, and office equipment, which includes a precision pantagraph, Colby protractor, parallel ruler, steel straight edges, and a set of railroad curves, for use in plane, topographic, and railroad surveying.

On the first floor of the building is located also the laboratory for cement testing, the equipment for which includes one Fairbanks standard briquette machine, steaming and baking ovens, moist closet, Vicat needles, Gilmour's needles, specific gravity apparatus, balances, moulds, sieves, graduates, etc., necessary for all standard tests of hydraulic cement.

The apparatus for testing structural materials other than cement mortars occupies a separate building 30x40 feet, and consists of one Olsen's 200,000-pound Universal testing machine, one Olsen's 30,000-pound Universal testing machine, extensometers, deflexometers, calipers, scales, and other small accessories. In addition to these, the building contains a combination rip and cut-off saw, and a pony planer for the preparation of specimens. The machinery in this laboratory is driven by a 20-horsepower individual electric motor.

CHEMISTRY.

The chemical laboratories are located in McClure Hall, a building especially designed to house the chemistry department. All of the first floor and portions of the basement and second floor are devoted to chemistry. In the basement is the beginner's laboratory, which will accommodate 100 students. This laboratory, at present,

is used also by the students in analytical chemistry. The desks are provided with water, gas, and electricity. On one side is a bank of hoods with a very efficient draught, operated by an electrically driven fan. The hoods are supplied with water, gas, steam, waste, and hydrogen sulphide connections. At each end of the room are large drying ovens for drying precipitates, also blast lamps supplied with compressed air. One of the hoods is provided with an electrically heated evaporating plate. Immediately adjacent to the laboratory is the weighing room, containing balances for the use of students doing quantitative work.

On the first floor is the laboratory for organic chemistry with 64 lockers and equipped in all respects as the one just described. Opening from this room are the office and the instructor's private laboratory. Adjoining the organic laboratory is the supply room, from which apparatus and chemicals are dispensed to the students. Across the hall is the lecture room, a well-lighted, comfortable room, with inclined floor, having a seating capacity of about 120. It has modern equipment throughout. Here also are cases containing a very complete collection of organic and inorganic chemical specimens, for illustrating the class work. Just back of the lecture room is the "preparation" room.

On the third floor is an office room, and adjacent to it, a large laboratory, reserved for special and research work, fully equipped as are the others.

Distilled water is supplied to all laboratories through block tin pipes.

All heavy and inflammable chemicals are stored in an annex adjacent to the main building.

The storeroom is kept well supplied with apparatus and chemicals to meet the requirements of all the usual laboratory courses and to provide facilities for original investigation. Many of the books and the periodicals belonging to the department are, at present, kept in the main office room, which is used also as a reading room. Students are encouraged to make free use of the facilities which it offers. Large additions to the list of chemical periodicals are being made, which will greatly increase the attractiveness and usefulness of the chemical library.

PSYCHOLOGY.

The department of Psychology occupies rooms on the second floor of McClure Hall for lectures, class demonstrations and laboratory experiments. The rooms are favorably located for experimental work—on the north side of the building, in the second story, having a steady light, and away from noise and interruption. The laboratory is well supplied with all necessary tables, stands, etc., and is equipped with a large amount of apparatus for experimental purposes.

PHYSICS.

The physical laboratories are located in the basement and first floor of Deady Hall. The laboratories for elementary and general work are located on the first floor, and furnish accommodations for workers in sections of 24. There is a very complete collection of apparatus for elementary work, available to those who are preparing to teach in the high schools. The additions made in recent years as a result of increased appropriations have been almost entirely in pieces of high grade, of the most substantial and workmanlike character, suited for exact quantitative work, and are well distributed among the various portions of the science. This equipment is supplemented by the collection of lecture-room apparatus, which is especially rich in the departments of light, electricity, and magnetism. Among the more important pieces may be mentioned apparatus for the study of accelerated motion, of harmonic motion, and of central forces; thermometers of a wide range of sensitiveness, calorimeters for precision work, combustion calorimeters, and apparatus for determining the mechanical equivalent of heat; lenses, laboratory telescopes, spectroscopes, spectrometers, and an unusual collection of prisms and diffraction gratings, two very excellent photometers, polarimeter, and a Michelson interferometer; an exceedingly good collection of galvanometers, resistance boxes, ammeters and voltmeters, and a large electro-magnet.

The special laboratory for electrical measurements is located in the basement, and is provided with concrete piers for apparatus requiring unusual stability, and with storage battery, 110-volt direct current, and alternating current of several potentials, and a system of distributing circuits. The laboratory is equipped with apparatus

of the highest grade, and of considerable variety. The equipment includes resistance boxes and resistance standards from the Leeds & Northrup Co., Hartmann & Braun, and O. Wolff, ranging from a standard 1-100 ohm to 100,000 ohms, a Kelvin bridge for measuring resistances from 1 ohm to 1-1,000,000 ohm, a high potential storage battery of 2,000 cells capable of furnishing 4,000 volts, a Leeds & Northrup potentiometer, a large collection of galvanometers, portable and reflecting, suited for a wide range of work, ammeters and voltmeters from the Western Electrical Instrument Co., the Keystone Electric Instrument Co., and the American Instrument Co., both for direct and alternating currents, wattmeters, Siemens and absolute dynamometers, standards of self and mutual-inductance, condensers, both of mica and of paper; precision photometers, standardized incandescent lamps, and the usual accessories of switches, commutators and electric motors.

BOTANY.

The Botanical department occupies parts of the third and fourth floors of Deady Hall. The large lecture room and laboratory for the general Botany classes has the regular equipment of work tables, lockers, and compound microscopes, as well as provision for the displaying of stereopticon illustrations and charts. This, as are all the other rooms, is furnished with gas and lighted with electricity. The department possesses a fine series of botanical models of flower types and insectivorous plants. The supply of preserved material is constantly being added to and is fairly representative of the various plant groups. Each student is expected to provide himself with dissecting set and drawing material, but the laboratory is prepared to furnish the necessary microscopical slides, reagents, and glassware.

Half of the fourth floor is devoted to the Herbarium and Bacteriological rooms. Mr. Thomas Howell has donated his large herbarium, containing many type specimens, to the University. This, together with Mr. Leiberg's gift of 15,000 specimens last year, is available for students in Systematic Botany. Facilities are provided for the study of preservation of local material and for the cataloguing of plants sent from various parts of the State, and the department will be glad to name any specimen that may be sent to the herbarium for determination. The Bacteriological laboratory

is well equipped for work with its gas-fitted work tables and lockers combined, its autoclave, steam and hot-air sterilizers, incubator, hot water heater and compound microscopes, with oil immersion lenses.

ZOOLOGY.

The Zoological laboratories are situated in Deady Hall. The laboratory on the third floor is used for General Zoology, Histology, and Embryology, and is a large room, 25x37 feet, with a north exposure, thus giving the best light for microscopic work. The apparatus and fittings in this room have been selected with the idea of making the work of each student as independent as possible. Each man is provided with a locker containing all necessary reagents and stains for making microscopic slides. The paraffin ovens are so arranged that each student has his own compartment, thus allowing experiments and special work to be carried on without interference. The laboratory keeps on hand a number of microscopical slides to supplement the work of the student and to illustrate special methods. This same room is used for Embryology. Besides a good collection of chick and pig embryos, the laboratory has a number of models illustrating the development of Echinoderms, Amphioxus, frog, chick, pig, and man.

The Anatomy laboratory is located on the fourth floor and is a light, sunny room, 18x37 feet. There is a good collection of skeletons and skulls illustrative of the various types of reptiles and mammals; an articulated human skeleton and one disarticulated; several human skulls, sectional and disarticulated. In Human Osteology, a course required of all premedical students, the bones of the body are modelled in clay. The room is also used as the Physiology laboratory.

The laboratory is well equipped with digestion ovens and water baths. There is also a good equipment for work on muscle, nervous tissue, circulation, and respiration, by which many of the laws of physiology can be worked out by the students.

PUGET SOUND MARINE STATION.

The Puget Sound Marine Station is located at Friday Harbor, Washington, and is under the joint management of the universities of the Northwest.

Although the station was established and is financed by the University of Washington, each institution co-operating has on the board of control one member from the Zoology department and one from the Botany department. The director of the laboratory is appointed by the University of Washington, the board of control acting as an advisory committee in the direction and operation of the work of the station.

General supplies of common reagents and simple laboratory instruments are kept in the storeroom for sale. A small library will be available. Apparatus and reagents for unusual experiments will not be provided unless arranged for beforehand.

The equipment of the station will include a steamer fitted with dredging apparatus for deep water work. This with a transport scow will be used for conveying parties to and from more distant collecting grounds. A gasoline launch and row boats will be available for other expeditions.

ADMISSION TO THE UNIVERSITY.

ADMISSION TO THE FRESHMAN CLASS.

The requirements for admission to the freshman class comprise the completion of a four-year high school course, or its equivalent. For full entrance, fifteen units are required. Graduates of high schools who for any reason do not have fifteen units, may enter as conditioned freshmen if they have satisfactorily completed at least thirteen units. All conditions must be made up during the first and second years of residence at the University.

Beginning with September, 1915, no student will be admitted to the University who does not have full freshman standing (except bona fide special students).

REQUIRED SUBJECTS.

Each student entering the University is required to present certain specified subjects, which subjects, with the number of units in each, are as follows:

English.....	3 units
Algebra	1 unit
Plane Geometry.....	1 unit
History.....	1 unit
Science*	1 unit
<hr/>	
Total in required subjects.....	7 units

ELECTIVE SUBJECTS.

In addition to the seven units enumerated above, eight additional units are required of each student. These eight units may be selected from any of the subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects. Not more than four units may be offered in vocational subjects. All students are urged to present four units of English.

*Science must be one unit of Physics, Chemistry, Botany, Zoology, or Biology.

FOREIGN LANGUAGE.

Students unable to present two units of foreign language for admission will be permitted to substitute for it the same number of units of other work, but students entering without any foreign language will be required to take in the University ten semester hours of foreign language in addition to the present requirement; those offering only one year, six semester hours additional.

EXCESS MATRICULATION CREDIT.

Students who bring from accredited preparatory schools credits in excess of the requirements for matriculation must pass an examination at the University in the subjects covered by such credits before these may be counted as canceling any part of the 120 semester hours required for graduation, but in no case shall the amount of college credit so allowed exceed 60 per cent of the number of hours such subject or subjects covered in the preparatory school. The preparatory subjects in which advanced credits may be so earned are as follows: Latin—Cicero or Virgil; German, French, Greek, Higher Algebra, and Trigonometry.

EXAMINATION IN ENGLISH.

Every student, at the beginning of his freshman year, shall satisfactorily pass an examination testing facility and accuracy in the use of English; or, he may waive this requirement by taking a course of six semester hours in English during his freshman year, for which college credit will be given.

The examination will be held during registration week at an hour and place announced on the bulletin boards. The examination is designed to test the student's ability to write clear, correct, idiomatic English. He will be asked to criticise an extract of classic prose under a few essentials of good English; to write two essays of not less than two hundred words each, one upon some familiar subject drawn from his experience or observation, and the other upon a subject selected from the books mentioned below. These essays will be tested on the following points: The language must be clear and grammatical; the spelling, punctuation, and capitalization must be reasonably correct; choice of words must show discrimination; sentences and paragraphs must be constructed in accordance with the simpler principles of composition. The

essays must show ability to organize thought. (A topical outline may accompany each essay.)

No student will be passed whose work shows serious defects in spelling, punctuation, grammar, and structure of sentences and paragraphs, or who presents illegible or untidy manuscript.

As preparation for satisfactory work in the University, constant and regular practice in writing is earnestly recommended. Throughout the four years of the high school course the student should write exercises and revise them after correction by the teacher so as to secure accuracy and self-reliance. The subjects upon which the student writes should be drawn from both literature and daily life and experience, and some degree of ability should be secured in each of the types of discourses; description, narration, exposition, and argument. The fundamental principles of grammar should be mastered in theory and practice. Such principles of rhetoric as are adapted to the student's practical use should be emphasized; principles that make his speech and writing definite and effective, such as good usage in choice of words, correct sentential structure and paragraphing, and outlining of thought.

METHODS OF ADMISSION.

There are two ways of entrance to the University: First, by examination; second, by recommendation from accredited schools without examination. All students from schools not accredited to the University are subject to examination at the University. The examinations will be held during the first week of the college year.

ACCREDITED HIGH SCHOOLS.

It is the policy of the University so to adjust its standard of entrance requirements as not to be out of touch with the schools of the State that do earnest work, and at the same time to protect the scholarship of the University. It will also be the policy, so far as possible, to make the accrediting uniform for the various departments. Schools, therefore, that have a four years' course, with a nine months' year, and subjects running for half a year or more five times a week, with recitations forty minutes long, and which have the subjects in the State high school course, or their equivalent, will, as far as possible, have their students admitted to the freshman class in the University.

The State high school course is the basis of the requirements for entrance to the University and the adoption of the State course at once simplifies the passage of students from high schools into the University, and settles almost, if not quite all the questions of accrediting. It is earnestly hoped, therefore, that all high schools will adopt the State course.

LIST OF ACCREDITED SCHOOLS.

Public High Schools.

Airlie.	Estacada.	Medford.
Albany.	Eugene.	Merrill.
Alsea.	Falls City.	Milton.
Amity.	Florence.	Milwaukie.
Arlington.	Forest Grove.	Monmouth.
Ashland.	Fossil, Wheeler County	Monroe.
Astoria.	High School.	Moro.
Athena.	Freewater.	Myrtle Creek.
Baker.	Gervais.	Myrtle Point.
Balston.	Glendale.	Nehalem Union High
Bandon.	Gold Hill.	School.
Bay City.	Grants Pass.	Newberg.
Bend.	Gresham.	Newport.
Brownsville.	Haines.	North Bend.
Brownsville, South.	Halfway.	Nyssa.
Burns, Harney County	Halsey.	Oakland.
High School.	Harrisburg.	Ontario.
Canby.	Heppner.	Oregon City.
Carlton.	Hermiston.	Parkplace.
Central Point.	Hillsboro.	Pendleton.
Clatskanie.	Hood River.	Philomath.
Coburg.	Hood River, Frankton	Pleasant Hill, Union
Condon, Gilliam County	High School.	High School No. 1.
High School.	Independence.	Portland: Lincoln,
Coquille.	Ione.	Washington, and Jef-
Corvallis.	Jefferson.	ferson High Schools.
Cottage Grove.	Joseph.	Prairie City.
Cove.	Junction City.	Prineville, Crook Coun-
Creswell.	Klamath Falls, Klamath	ty High School.
Dallas.	County High	Rainier.
Dayton.	School.	Redmond.
Drain.	La Grande.	Richmond.
Dufur.	Lakeview.	Riddle.
Echo.	Lebanon.	Roseburg.
Elgin.	Lexington.	Salem.
Elmira.	Marshfield.	Scappoose.
Enterprise, Wallowa	McCoy.	Seaside.
County High School.	McMinnville.	Sheridan.

Silverton.	Tangent.	Waterville, Union High
Springfield.	Thurston.	School.
Stanfield.	Tillamook.	Wasco.
St. Johns.	The Dalles.	Weston.
St. Helens.	Toledo.	Willamina.
Sumpter.	Union.	Woodburn.
Sutherlin.	Vale.	Yoncalla.

Private Schools.

Baker—St. Francis Academy.

Milton—Columbia Junior College.

Mt. Angel—Mt. Angel College; Mt. Angel Academy.

Newburg—Pacific Academy.

Pendleton—St. Joseph's Academy.

Portland—Columbia University; Hill Military Academy; Portland Academy; St. Helens Hall; St. Mary's Academy; St. Joseph's School; Y. M. C. A. Preparatory School.

ADMISSION FROM OTHER STATES.

Graduates of high schools outside of Oregon will be admitted to the University without examination when such schools are accredited to their own state university or to universities of equal rank.

ADMISSION TO ADVANCED UNDERGRADUATE STANDING.

Advanced standing will be given students coming from institutions to collegiate rank, who can satisfy the committee on advanced credits that the courses offered are the equivalent to those given by the University. All applicants for advanced standing must present a complete official transcript covering both their high school and college records and a letter of honorable dismissal. These records must be filed with the Registrar on or before the day the student registers in the University.

REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING.

The privileges of a special student are intended for those who, for any reason, are unable to complete a college course, but who are qualified by age, character, practical experience, purpose, and habits of study to profit by University courses.

Special students shall be of two classes, as follows:

(1) Persons not candidates for a degree, who have met all the requirements for entrance to the freshman year, to be known as collegiate special students. They may be permitted to take one or more college courses for which they are fitted and shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

(2) Persons of maturity, twenty years of age or over, and teachers in public or private schools, who present satisfactory credentials and testimonials, to be known as irregular special students. They may be permitted to take one or more college courses for which they are fitted, subject to the condition that they must complete satisfactorily 60 per cent of the work undertaken.

All applications for special student standing must be passed upon by the Committee on Special Students, who reserve the right to reject any petition, as they may deem wise, and to discuss and change any proposed program of studies. Students, other than those of mature years, must give evidence of a definite object to be attained by the courses sought.

Students who have met all the requirements for entrance to the freshman year, and are candidates for a degree shall be considered regular students, even though for sufficient reasons they may be permitted to take less than the minimum number of hours. They shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

GENERAL INFORMATION.

PUBLICATIONS.

The University of Oregon Bulletin is published monthly, except during the summer vacation. It furnishes information in regard to the current work of the University, and gives the results of special research undertaken by the various departments. The following are the bulletins of the new series issued during the year 1912-1913:

VOLUME XI.

1. Oregon High School Debating League—August, 1913.
2. A Popular Description of the Common Oregon Ferns—September, 1913.
3. Catalog of School of Music—October, 1913.
4. Catalog of Correspondence-Study Department—November, 1913.
5. "Choosing a Calling," Illustrated Bulletin—December, 1913.
6. Report of the President of the University with Reports of the Steward and Registrar—January, 1914.
7. Alumni Register—February, 1914.
8. Summer School Catalog—March, 1914.
9. General University Catalog—April, 1914.

The Oregon Emerald is published three times a week during the college year by the student body of the University. The paper is devoted to general college news, and aims to keep the students, faculty and alumni posted concerning the every-day happenings at the University and neighboring institutions. The staff consists of an editor, with eight or ten assistants. The various members of the staff are elected during the second semester and hold office for one year.

The Extension Monitor is a monthly magazine published by the University for distribution among correspondence students. Its purpose is to disseminate such directions and items of information as are to be sent to all students alike, and at the same time to bind the correspondence students, so far as possible, into a united corps and create among them a spirit of associated effort such as exists in a high degree on the campus in the famous "Oregon Spirit."

The Press Bulletin is a page of news items sent about twice a month to the newspapers of Oregon. The people of Oregon own

and support the University, and the effort is made to carry to the people such information about the University as will be of interest.

The Oregana is published annually by members of the junior class. It is a book of 400 pages and from 700 to 1,000 copies are issued. Its object is to advertise the University, and to that end it includes stories of University life, cuts of buildings and grounds, drawings, campus scenes, class records, etc.

SOCIETIES.

LITERARY.

The Laurean and Eutaxian Corporation was organized with a State charter in 1877 to further the literary interests of the societies of the University. Its library was for years the sole library of the University, and it furnished the nucleus for the present library.

The Laurean Society was founded in the first year of the University. Its purpose is to give its members "growth and development of mind, together with readiness and fluency of speech," and for this object a debate is held every Saturday evening. Declamations and orations by the members, and addresses by professors and other eminent men are also part of the weekly program.

The Eutaxian Society is the literary society of the women of the University. It was organized in 1877, and has given valuable training to the numbers of students who from year to year have planned its work and carried out its programs. The society is well organized and has a good, active membership. The program, which is varied from time to time, includes prepared and impromptu addresses, reviews and discussions of current events, debates, and parliamentary drills. Resident alumnae members take an active part in the work of the society, a fact which adds greatly to the strength and value of the organization.

DER VEREIN GERMANIA.

Der Verein Germania was organized at the University of Oregon by students in the department of German. Meetings are held every two weeks, at which musical and literary programs and discussions are given in German. The purpose of the club is to familiarize its members with German customs and life, and to give them a more fluent command of the language. All students in the department of German are eligible for membership.

THE DRAMATIC CLUB.

The Dramatic Club is composed of students of the University. All students are eligible who are successful in the try-outs held each fall. The purpose of the organization is to stimulate an interest in dramatic art and to develop latent talent among the members. At least two public rehearsals are given each year in addition to those given only before the club.

CHEMISTRY CLUB.

The Chemistry Club is an organization meeting at 4 P. M. every Monday for the discussion of matters of current interest in the chemical world. The programs are made out under the supervision of a committee of students selected by the club for the purpose. The discussions are illustrated, where the subject matter will permit, by demonstrations, lantern slides, etc. All meetings are open to whomever may be interested. Announcements are to be found each week in the college papers.

RELIGIOUS.

The Young Men's Christian Association of the University is an organization of students whose purpose is primarily to unite, promote and develop the religious forces among the students and faculty through weekly, and special religious meetings addressed by the very liveliest and most available men in the State, and through Bible study classes and discussion groups in the various fraternity and club houses. Also, to render vicarious service to the students by giving Social Service lectures, stag parties, extension trips, and miscellaneous help.

Last year the Association, through its free Employment Bureau, aided needy students to the extent of two thousand dollars in actual cash, and through the Book Exchange to the amount of four hundred and thirty-five dollars. Sixty per cent of the male students in the University are working their own way either wholly or in part.

The Association is on the Campus for service in every way possible, especially in aiding new students as they come to the institution for the first time.

The General Secretary, Charles W. Koyl, '11, who gives his entire time to this work will be delighted to hear from any student, or possible student, desiring information or help of any kind. Address him: 360 East 11th Ave., Eugene, Oregon, or call at the office of the Association immediately upon arrival on the Campus. Office in the basement of Deady Hall.

The Young Women's Christian Association was organized in March, 1894. Its purpose is to crystallize the Christian element in the University, and make the influence of that element felt among all the young women. Its social function is an important part of its work. New students are met as they come from the trains, and everything is done to make them welcome. Devotional meetings are held every Monday afternoon at 4 o'clock in the Association rooms. Officers are chosen the first week in January to serve one year. Any young woman wishing information in regard to the Association is invited to correspond with the General Secretary of the Association at Eugene.

The Publicity Committee of the Young Women's Christian Association has undertaken the work of an employment bureau to secure employment for girls who wish to take that means of helping themselves through college. A thorough canvass of Eugene is conducted each year and a list made of desirable places of this sort. Work can easily be found in pleasant homes which will enable a young woman to make her own way fully or in part.

ORATORICAL ASSOCIATIONS.

In addition to the University instruction in Public Speaking, an active and earnest interest in public speaking is fostered and maintained through the agency of voluntary associations of students, which arrange and conduct debates and contests and co-operate with similar organizations in other institutions.

INTER-COLLEGIATE ORATORICAL ASSOCIATION.

The Inter-Collegiate Oratorical Association is an organization of the following colleges and universities of Oregon: Pacific College, McMinnville College, Albany College, Oregon Agricultural College, Pacific University, Willamette University, and the University of Oregon. An annual contest is held each year in turn at each of the colleges interested.

INTER-STATE DEBATING LEAGUE.

The Inter-State Debating League was organized in 1906, consisting of the University of Washington, University of Idaho, and University of Oregon. In the fall of 1911, the University of Idaho withdrew from the league, and Stanford University of California entered. Each institution has two teams, which support opposite sides of the question. The affirmative team remains at home and the negative team goes abroad. The contests are held on the last Friday in March of each year.

OREGON HIGH SCHOOL DEBATING LEAGUE.

The Oregon High School Debating League was organized to promote debating in the high schools of the State, and has been successful much beyond the expectations of the organizers. The high schools enrolled are divided into five districts—Southern, Central, Eastern Oregon, Columbia River, and Coos Bay. The champions of the various districts debate each other, and the final debate for the championship of the State is held each May at the University of Oregon, the winning team being awarded a beautiful silver cup.

ATHLETICS.

The Athletic Council of the University of Oregon, consisting of three members of the Faculty and the President *ex officio*, three members of the Alumni Association, and three members of the Student Body and the Graduate Treasurer, *ex officio*, exercises control over all athletic interests of the University. The football, track, basketball and tennis teams and baseball nine, are all under its direct supervision.

The members of the Athletic Council for the present year are: Dr. H. B. Leonard, Prof. H. C. Howe, and Mr. W. L. Hayward, representing the Faculty; Judge L. T. Harris, Mr. G. W. Hug, and Mr. Ben F. Williams, representing the Alumni Association; Robert Bradshaw, Carl Fenton, and Elmer Hall, representing the Student Body; and A. R. Tiffany, Graduate Treasurer.

INFRA-COLLEGIATE ATHLETICS.

The University emphasizes as far as possible infra-collegiate athletics, with the view that the greatest good may result to the

greatest number. Inter-class and inter-club teams in basketball, tennis and baseball, for men, and in basketball and tennis for women, bring to many who would otherwise take little or no exercise a very large benefit in the way of physical relaxation and recreation. Aside from the regular college teams, the 10 or 11 inter-club and the four inter-class teams in basketball during the winter, and the same in baseball and tennis during the fall and spring, bring out approximately 300 to 350 men, and in basketball and tennis 200 to 250 women, who would, under other circumstances, miss the value to brain and body of an hour daily of vigorous, healthful, out-door exercise.

GIRLS' TENNIS CLUB.

Women of the University have for their own use three standard tennis courts. Membership in the Girls' Tennis Club is purely honorary, selection being based upon individual proficiency in playing. An annual tournament is held, the winner receiving a silver cup. Tournaments are also held with other colleges.

MUSICAL.

The University of Oregon Glee Club is a student organization, open to all students who are successful in the tryout held during the first week of the University year. The Glee Club is composed of about thirty men. Yearly Thanksgiving concerts are given in Eugene and Portland, and a tour of the State is made during the Christmas holidays.

The Girls' Glee Club, a musical club for women, was organized during 1900. It consists of sixteen voices, four on each part, and is under the direction of the University School of Music. Regular practice is held throughout the year, and an annual concert is given just before the Easter holidays.

The University Band is open to all students who are successful in the tryout. The band furnishes music for games, rallies, and other student affairs. It offers valuable training to those interested in this kind of music.

STUDENT LOAN FUND.

Through the generosity of Mr. William Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, and the Class of 1904, the University

Loan Fund was begun. Although for a number of years the total amount of the fund reached only a little over \$500, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909 Senator R. A. Booth, of Eugene, became interested and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, and Mr. John Kelly, of Eugene, made substantial donations. The University now has the following funds:

The General Loan Fund, established by Mr. William Ladd of Portland; Mr. A. S. Roberts, of The Dalles; the Class of 1904; Mr. Theodore B. Wilcox, of Portland; Mr. John Kelly, of Eugene, and other donors whose names have not been given, amounts approximately to \$1,300.

The Booth Loan Fund, established by Senator R. A. Booth, of Eugene, \$1,000.

The Ainsworth Loan Fund, established by Mr. J. C. Ainsworth, of Portland, \$1,000.

The D. P. Thompson Loan Fund, established by the estate of the late D. P. Thompson, \$1,000.

The Condon Loan Fund, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas Condon, for many years Professor of Geology in the University, \$500.

The Class of 1911 Loan Fund. The Class of 1911 established a loan fund which when all paid in will amount to approximately \$650. The interest of this fund is kept separate from the principal, the plan being to use the interest to publish a class history once each three years. The fund at present amounts to about \$300.

The very generous donations have made it possible more nearly to meet all of the requests for assistance. Loans are made at a low rate of interest and every precaution is made to safeguard against loss. The matter of loans is in the hands of a committee consisting of the President of the University, the Dean of Liberal Arts, the Dean of Women, the Steward and the Registrar. Applications for loans are made on blanks furnished by the Registrar. At present loans are not made before the beginning of the Sophomore year.

TEACHERS' BUREAU.

The University maintains a teachers' bureau. It does not guarantee to find positions for all its graduates, but it will assist them in every way possible to find good locations. During the past few years the demand for well trained university graduates to fill positions as principals and teachers in the high schools of Oregon has been much above what the University has been able to supply. All assistance which the University can give is freely at the command of its students and graduates who are prepared to teach.

LECTURES.

A number of the members of the Faculty are available for institutes and lectures. They are glad to deliver addresses or help in institutes at any time that it does not conflict too much with their regular University work. For further information see the announcements of the Extension Department.

GENERAL ASSEMBLY.

A *General Assembly* of the University is held each Wednesday at 10 a. m. Appropriate exercises are held and interesting and important addresses made by invited guests, or by the President or members of the Faculty of the University.

MISCELLANEOUS.

The Faculty Colloquium, composed of all the members of the Faculty, meets once every two weeks. Papers are read by various members on special subjects of interest.

Lectures—Frequent lectures by invited guests from Oregon and other states are given to students upon subjects allied to the courses given in the University. These lectures are by those fitted by training and experience to speak with authority.

Recitals—The School of Music gives recitals at stated times during the year, to which all students of the University are invited.

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University. The objects of the Association are to "Advance the cause of higher education, to promote the interests of the University of Oregon, and to encourage mutual acquaintance and goodfellowship among the alumni." The annual meeting is held at Eugene

during Commencement week. The dues of the Association are one dollar a year, fifty cents of which goes toward paying the general expenses and fifty cents for the subscription to the Oregon Emerald. The Emerald is sent to each member of the Association.

The Associated Students exercise general control over all student affairs within the University. The general management of its affairs is entrusted to an executive committee, consisting of a president, vice-president, secretary, and two members at large. Officers are elected on the second Wednesday in May of each year.

The Student Council, consists of twelve members, whose duties and powers are as follows:

1. To act as an intermediary between faculty and students.
2. To appoint a yell leader and supervise features connected with University Rooting.
3. To direct entertaining of visiting teams or any others who are guests of the University.
4. To assume charge of all other items of importance in which the students may be directly interested and which are not specifically ascribed to the Athletic Council or the Executive Committee.
5. To act as a board of appeal before which any student directly connected with the University of Oregon may place questions of student welfare.

The Council of Women Students holds regular meetings every two weeks for the discussion of matters pertaining to the welfare of the University women. Each club, sorority, and dormitory has one representative and an equal number of representatives are chosen by the girls not living in clubs. All members of the Council are seniors.

UNIVERSITY REGULATIONS CONCERNING UNDERGRADUATE STUDENTS.

REGISTRATION.

On the appointed Registration Days, in September and February, each student must present himself at the Registrar's office and obtain a *Certificate of Registration*.

At the beginning of the second semester, one day only is given to registration. Matriculated students registering later than that day must pay a late registration fee of two dollars.

STUDY CARD.

Each student at the time of his registration at the beginning of each semester will receive from the Registrar a blank Study Card for the selection of studies for the semester. This card, properly filled out and signed by the student's major professor, and the instructors with whom work is taken, must be filed with the Registrar within three days of the date of registration. Students failing to file their Study Cards within the time specified shall pay a fee of two dollars before being admitted to classes.

ENROLLMENT IN CLASSES.

At the beginning of each semester, a student must present his certificate of registration to the instructors of the courses in which he desires to be enrolled, and satisfy the instructor in charge that he has had the prerequisite work.

CHANGE OF STUDIES.

If because of difficulties with the schedule, or if for any other reason satisfactory to his adviser, any student wishes to make a change in enrollment he may do so by obtaining a "Change of Enrollment Card" from the Registrar and complying with the requirements indicated upon the card itself, as follows: This card to be effective, must be made out, dated, and signed by the adviser of the student in whose favor it is drawn. The date of use, except after special faculty action, must not be later than ten days from the date upon which the student registered in the University. The Registrar and all instructors are forbidden to honor it under any other conditions.

The instructor from whose course the change is made signs this card as an acknowledgment that he has been duly notified of the change. The instructor in the new course acknowledges by his signature that formal enrollment has been made.

Changes of course later than *ten days* after registration shall not be made until after favorable action by the Committee on Revision of Students' Courses, but petition for change of course will not be considered by the committee after *November 1*, for the first semester, and after *March 1*, for the second semester. Petitions for change of course must be approved and signed by the major professor of the petitioner, and the instructor of the course which the student desires to enter.

WITHDRAWAL FROM CLASS.

In case of a student leaving a course without substituting other University work for it the act is to be regarded as a withdrawal upon fulfillment of the following conditions: The act is to be initiated either by the student himself or his adviser; the adviser, after consultation with the instructor giving the course from which withdrawal is desired, must approve; the withdrawal is then effective upon filing the withdrawal card, properly executed, with the Registrar. But withdrawal shall not be granted within one month of the final examination period. The mark "W" in semester grade reports is to be held as applying exclusively to the cases coming under this paragraph. Withdrawal cards may be obtained from the Registrar.

WITHDRAWAL FROM THE UNIVERSITY.

Students withdrawing from the University shall take either a *leave of absence* or a *card of withdrawal*. Failure to comply with this regulation will lay the student liable to a grade of "F" for all his courses. These cards may be obtained from the Registrar.

DISMISSAL FROM COURSES.

Dismissal from a course may be made at any time by the instructor in charge and shall be effective after consultation upon the part of the instructor with the adviser of the student concerned. Such dismissal shall be considered a failure, and shall be indicated upon the semester grade reports by "F."

AMOUNT OF WORK.

The maximum number of semester hours for students in the first three years is 16, minimum 13; for students in the senior class, maximum 16, minimum 12.

Students having deficiencies resulting from failure shall not be allowed to take any extra hours for graduation on account of such deficiencies.

"Students without deficiencies, who have a record for the preceding semester in their grades of "S" and "H" in two-thirds of the number of hours regularly carried and none below "M," shall be permitted to take a maximum of eighteen hours, the excess credits beyond sixteen hours being forfeited in case of failure to maintain the standard mentioned."

MINIMUM AMOUNT OF WORK ACCEPTED.**FRESHMEN.**

Students in the freshman class shall make not less than eighteen semester hours during their freshman year, of which not less than eight hours shall be made in the first semester and not less than nine in the second. Failure to make the required hours will suspend the student for the following semester; a second failure will permanently sever the student's connection with the University.

REGULAR STUDENTS, ABOVE FRESHMEN.

The failure on the part of a regular student above the freshman class to make nine hours' credit in a semester shall automatically suspend the student from the University for the following semester; a second failure to make nine hours' credit in a semester shall permanently sever the students' connection with the University.

SPECIAL STUDENTS.

1. Persons, not candidates for a degree, who have met all the requirements for entrance to the freshman year, are known as Collegiate Special Students. They may be permitted to take one or more college courses for which they are fitted and shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

2. Persons of maturity, twenty years of age or over, and teachers in public or private schools, who present satisfactory credentials

and testimonials, are known as Irregular Special Students. They may be permitted to take one or more college courses for which they are fitted, subject to the condition that they must complete satisfactorily 60 per cent of the work undertaken.

All applications for special student standing must be passed upon by the Committee on Special Students, who reserve the right to discuss and change any proposed program of studies. Students other than those of mature years, must give evidence of a definite object to be attained by the courses sought.

Students who have met all the requirements for entrance to the freshman year and are candidates for a degree are considered regular students, even though for sufficient reasons they may be permitted to take less than the minimum number of hours. They are subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

ATTENDANCE AT CLASSES.

All students are expected to attend classes regularly. Daily reports are sent to the Registrar by all instructors. Any student not present at at least 80 per cent of the recitations in any subject will be debarred from examination in that subject. One-sixteenth of a semester hour will be deducted for each absence from class; *provided, however*, that when a student is refused examination in a subject on account of absences no extra credit shall be deducted from other courses for such absences. Excuses for absences on account of sickness may be granted only at the discretion of a committee of the Deans. Students wishing absences excused, must file with the Registrar a written request specifying the dates of the absences and the reasons therefor. The committee meets at the end of each semester.

LEAVING TOWN.

Every student before leaving town during the session of the University is expected, as a matter of courtesy, to obtain a *leave of absence* card. These cards may be obtained by the women from the Dean of Women, and by the men from the Dean of Liberal Arts.

CONDITIONS AND INCOMPLETES.

All conditions and incompletes in college subjects must be made up within one year.

Examinations for the removal of conditions will be held on the first Monday and the following Tuesday in December, and on the Monday and Tuesday preceding the regular examination period in the second semester. Conditions may also be made up at the regular examination time.

MATRICULATION DEFICIENCIES.

Students admitted as freshmen, but having entrance conditions, may be allowed to make up during the first two years of their course, either in the University or elsewhere, a total equivalent of two preparatory units; but the total number of hours, including college and preparatory work, for any one semester, shall not exceed 18 hours.

All matriculation deficiencies must be cleared up by the beginning of the junior year; but in cases where there is only one unit of entrance deficiency, it must be made up during the freshman year. Such deficiencies may be made up either at the high school or under an approved tutor.

ADVANCED STANDING.

Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the Committee on Advanced Credits that the courses offered are the equivalent of those given by the University. All applicants for advanced standing must file with the Registrar, on or before the day on which they register, a complete official transcript covering both their high school and college work and a letter of honorable dismissal.

CHANGE OF MAJOR.

A student may change majors at the beginning of any academic year, except the senior, by filing a petition, indicating the proposed change, with the Registrar. Change of major at any other time shall be made only with the consent of the departments concerned, and after action by the University Faculty.

SCHEDULE OF MARKS.

The system of grading by percentages of an undefined base has been discontinued, and in lieu thereof the system of grading by rank has been adopted for the purpose of assigning grade marks.

The students in each class, having been arranged by rank in the order of the merit of their respective achievements, the upper and lower quartiles are cut off from the whole group, and the two remaining quartiles are considered as composing a normal or medium group, and the students therein are each given the grade mark "M." The upper quartile is considered as composing a superior group, and each student therein is given a grade mark "S," except that a few of the highest ranking students, not exceeding one-fifth of the number in this group, may be given a higher grade mark "H," signifying that in the opinion of the instructor these students have excelled their fellows in the superior group so markedly that they are clearly entitled to be placed in a group by themselves. The lower quartile is considered as composing a passing group, and each student therein is given a grade mark "P," except that the lowest ranking students, whose achievements are not, in the opinion of the instructor, sufficient to entitle them to pass, shall be given a grade mark "F," signifying failure.

Cond., conditioned. Quality of work unsatisfactory, and probably re-examination required. The mark "Cond." is counted the same as "F," failure, in estimating the number of hours a student has made (under the nine-hour rule) for the semester.

Inc., incomplete. Quality of work satisfactory, but unfinished for reasons acceptable to instructor, and additional time granted.

W., withdrawal from class at least one month before the beginning of the final examination period.

Both incomplete and conditioned work must be made up within one year. Failure means that the student cannot receive credits until the work is regularly re-registered and taken over again.

HONORS.

Honors will be assigned as follows:

Students shall graduate *summa cum laude* when at least half their credits rank H, and not more than three credits M, none below; *magna cum laude* when not more than three credits rank below S, and none below M; *cum laude* when not more than three credits rank below M; when a student's credit ranks lower than any of the above, he graduates *rite*.

PRIZES AND SCHOLARSHIPS.

PRIZES.

THE FAILING PRIZE.

The Failing prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing, of Portland. It is awarded "To that member of the Senior Class in the Classical, Scientific or the Literary Course prescribed by the University, or such course as may, at the time, be substituted for either of said courses, who shall pronounce the best original oration at the time of his or her graduation."

THE BEEKMAN PRIZE.

The Beekman prize, not to exceed one hundred dollars, is the income of a gift of sixteen hundred dollars made to the University by Hon. C. C. Beekman, of Jacksonville. It is awarded under the same conditions as the Failing prize, for the second-best oration.

Subjects for the Failing and Beekman prize orations must be handed to the Registrar by January 10. The preliminary contest to choose the six best orators to compete in the final contest will be held Saturday morning, May 3. The Failing-Beekman contest will be held on the evening of Tuesday of Commencement Week.

Awards of the Failing Prize.

- 1890 Edward H. McAlister, Eugene.
- 1891 E. Etta Levis, Harrisburg.
- 1892 Lenn Stevens, Eugene.
- 1893 Carey F. Martin, Eugene.
- 1894 Irving M. Glen, Dayton.
- 1895 Julia G. Veazie, Dallas.
- 1896 H. S. Templeton, Halsey.
- 1897 Clinton E. Woodson, Currinsville.
- 1898 H. S. Church, Coburg.
- 1899 Lawrence A. Read, Portland.
- 1900 Homer D. Angell, The Dalles.
- 1901 B. C. Jakway, Portland.
- 1902 Elizabeth Logan, Eugene.

- 1903 Ella F. Travis, Eugene.
- 1904 Pearl Luckey, Portland.
- 1905 V. W. Tomlinson, Woodburn.
- 1906 Norma L. Hendricks, Eugene.
- 1907 Nettie Burdick, Cottage Grove.
- 1908 Robert W. Prescott, Baker City.
- 1909 Jesse H. Bond, Florence.
- 1910 Harold J. Rounds, Portland.
- 1911 Charles W. Robison, Portland.
- 1912 Birdie Wise, Astoria.
- 1913 Carleton E. Spencer, Cottage Grove.

Awards of the Beekman Prize.

- 1890 Agnes M. Green, Seattle.
- 1891 Veina E. Adair, Eugene.
- 1892 Fred S. Dunn, Eugene.
- 1893 Thomas M. Roberts, The Dalles.
- 1894 Elias M. Underwood, McMinnville.
- 1895 Benetta Dorris, Eugene.
- 1896 V. V. Johnson, Eugene.
- 1897 Ida Noffsinger, McCoy.
- 1898 Clyde V. Fogle, Eugene.
- 1899 Bertha Slater La Grande.
- 1900 Mary McAlister, Eugene.
- 1901 R. S. Smith, Klamath Falls.
- 1902 J. A. Gamber, Lacombe.
- 1903 J. H. Gilbert, Watsonville.
- 1904 Rosa Dodge, Ashland.
- 1905 Cora Shaver, Portland.
Joseph Templeton, Halsey.
- 1906 Loris M. Johnson, Eugene.
- 1907 Max Sylvius Handman, Portland.
- 1908 Miriam Van Waters, Portland.
- 1909 Earl Kilpatrick, La Grande.
- 1910 Arthur M. Geary, Portland.
- 1911 Percy M. Collier, Eugene.
- 1912 Alberta Campbell, Eugene.
- 1913 Howard Zimmerman, Salem.

THE BENNETT PRIZE.

The Bennett prize is the income from a gift of four hundred dollars made to the University by Hon. Philo Sherman Bennett, of New Haven, Connecticut. It is given for the best student paper on the principles of free government. The annual income is about \$16.

The Alumni medal is presented annually by the Alumni Association of the University to the best individual student debater. The medal for 1914 was won by Victor Morris.

SCHOLARSHIPS.**MEDICINE.**

The University of Oregon School of Medicine offers annually one full scholarship and two half scholarships. The holder of the full scholarship is exempt from all fees except some incidentals, the total reduction from the regular fees of the session being \$120 for the first and second years of attendance. The half scholarship carries a reduction of \$60 for each session in the same way. Two half scholarships cannot be united to make one full scholarship. The scholarships are awarded to graduates of the University of Oregon having a bachelor's degree of not more than three years' standing at entrance to the Medical School. The awards are made by the faculty of the University, subject to approval of the Medical faculty.

COLLEGIATE ALUMNAE SCHOLARSHIP.

The Oregon Branch of Collegiate Alumnae offers to the young women of Oregon a scholarship of \$200 at the University of Oregon.

Application for this scholarship should be in the form of an informal letter stating fully the work done in the preparatory school and the course desired in the University, with whatever further information the candidate may consider desirable. The candidate who, in the judgment of the committee, is the best fitted to do excellent work will be appointed. Applications may be addressed to the chairman of the committee, Miss Laura Northrup, Lincoln High School, or 261 Fourteenth Street, Portland, Oregon.

THE MARY SPILLER SCHOLARSHIP.

The Mary Spiller Scholarship is given by the State Association of the University of Oregon Alumnae. It consists in the payment

of board and room rent at Mary Spiller Hall, situated on the University campus, for one school year.

Any girl graduate of an accredited high school of Oregon is eligible to this scholarship and it may be given to the same person more than one year, if the committee think it wise to so award it.

Applicants for this scholarship should send their application, with any recommendation, or information which they may wish to include, to the Corresponding Secretary of the Association, Mrs. Edith V. Bryson, 532 Lincoln Street, Eugene, Oregon.

RHODES SCHOLARSHIP.

The next qualifying examination for scholars in Oregon under the Rhodes bequest will be held in October, 1914; the selection of scholars will be completed before the end of January, 1915, and the elected scholar will begin residence at Oxford in October of the same year.

Scholarships will also be open in 1916 and 1917, and again in 1919 and 1920, omitting every third year.

The scholarships are of the value of £500 a year, and are tenable for three years.

The examination for Oregon will be held at a center to be fixed by the local Committee of Selection. It should be clearly understood that this examination is not competitive, but simply qualifying, and is merely intended to give assurance that every elected scholar is up to the standard of the first examination (responsions) which the University demands of all candidates for the B. A. degree.

The Rhodes scholars will be selected from candidates who have successfully passed this qualifying examination. One scholar will be chosen.

Candidates must be unmarried, and must be citizens of the United States. Candidates are eligible who have passed their nineteenth birthday, but have not passed their twenty-fifth birthday on October 1 of the year for which they are elected.

It has been decided that all scholars shall have reached, before going into residence at Oxford, at least the end of their sophomore or second-year work at some recognized degree granting university or college.

STUDENT EXPENSES.**INCIDENTAL FEE.**

There is no tuition at the University of Oregon. The incidental fee, payable each year by students in all departments of the University, is \$10. There is also a student-body tax of \$8.00 per year for the support of student enterprises, which must be paid by all students at the time of registration. At the time of payment the student receives a ticket which admits him free of charge to all contests, concerts, games, etc., given on the campus by the Associated Students during the year. Graduate students are not required to pay the student-body tax. The fees in the School of Music vary with the instruction.

A diploma fee of \$10 is charged for the first degree taken, and \$10 for each succeeding degree. The rules prescribe that no person shall be recommended for a degree until he has paid all dues, including the diploma fee.

GENERAL EXPENSES.

Comparative statement of student's expenses for the academic year, from September to June:

	LOW.	AVERAGE.	LIBERAL.
Incidental Fee	\$ 10.00	\$ 10.00	\$ 10.00
Student Body Tax.....	8.00	8.00	8.00
Board and Room.....	162.00	225.00	315.00
Sundries	120.00	157.00	217.00
	<hr/>	<hr/>	<hr/>
	\$300.00	\$400.00	\$550.00

The expenses of one person for a year vary according to the circumstances of the case, but, as will be seen from the above statement, are in general very low. The following estimate is probably substantially correct: Room from \$0.75 to \$3.00 per week; board from \$3.50 to \$6.00 per week; books from \$5.00 to \$20.00 per year. Students often rent rooms and do light house-keeping, thus reducing the cost of living much lower than the figure given above.

MEN'S DORMITORY.

The Men's Dormitory is a three-story brick building located on the campus. The men living in the Dormitory have a club organization, which is thoroughly democratic, by means of which, aided by the natural advantages of the location, a pleasant home is secured. The home and social life is cared for in a large, pleasant reading and reception room on the ground floor. The rooms are furnished throughout, with the exception of a mattress, bedding and towels, which are supplied by the occupants. The building is steam heated, and an abundance of hot and cold water is on each floor, with shower baths, lavatories, etc. There are about 50 rooms, which furnish accommodations for 60 to 70 men. The double rooms, or suits, easily accommodate three men, and some of the single rooms accommodate two men. The rooms and building are cared for by the Dormitory management, under the direction of the University. Excellent board is furnished in the dining room for \$3.75 per week. The rate for the room rent is about fifty cents per week. The dining room accommodates 90 men. The dormitory is run at cost, with only a small margin at the end of each school year for replacement and repairs, so that the students patronizing it are enabled practically to live for cost. All possible savings and economy are effected by the management, in the way of buying and serving, so that the service in the Dormitory is much better for the amount paid than can possibly be secured in private homes.

Following is a table of the expenses:

Room rent per semester, including laundry for beds, payable at beginning of each semester, per room.....	\$15.00
Board per week, payable monthly in advance.....	3.75
Room deposit, returnable at end of year.....	5.00

Applications for rooms should be addressed to the Matron, University of Oregon, Eugene. If rooms are available at the time of the application, an assignment will be made at once; otherwise the names will be kept on file, the rooms to be assigned in order of application as vacancies may occur. The room deposits should either be sent in with the application, or when the assignment is made.

MARY SPILLER HALL.

Mary Spiller Hall, the girls' dormitory, will accommodate 20 girls. Each room is nicely furnished with bed and springs, rug, dresser, washstand, study table, chairs, and rocking chair. Each girl furnishes her own mattress, bedding, and linen. The following scale of prices will be in effect for 1914-15:

Room rent per semester, payable at beginning of each semester, per room.....	\$7.50 to \$15.00
Board per week, payable monthly in advance.....	3.50
Room deposit, returnable at end of year.....	5.00

The hall is located on the campus, near the President's house, and is a very pleasant place to live. Applications for rooms should be addressed to the Matron, Mary Spiller Hall, University of Oregon, Eugene.

ROOMS IN PRIVATE FAMILIES.

The University publishes about September 1 of each year a directory of approved rooming and boarding places. The directory is sent free of charge, and copies may be secured by addressing the Registrar. The number of rooming and boarding places each year is large, and students will have no trouble in finding good locations. Ordinarily, it is not advisable to engage a room before reaching Eugene. The price of rooms varies from \$0.75 to \$3.00 per week, and board from \$3.50 to \$6.00 per week.

SELF SUPPORT.

Seventy per cent of the men attending the University are either wholly or in large part earning their own way by work in the summers and work done during the college year. Eugene is a rapidly growing town of 12,000 inhabitants, whose citizens are friendly to the University and take pleasure in affording to students the opportunity to earn their necessary expenses. The work available during the session consists of janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, odd jobs, etc. The Y. M. C. A. conducts a free labor bureau, which is at the service of the students. The demand for student help is usually larger than the supply. The University is glad to be of all possible assistance to those desiring to find work.

LABORATORY FEES.

In all laboratory courses a charge is made for the use of the laboratory and its equipment, for supplies used, and for breakage. At the end of the semester or year, depending on the course taken, any cash balances are returned or collected as the case may be. Payment of the fee must be made before enrollment in any laboratory course.

BOTANY.

A deposit of \$5.00 is required for each laboratory course, with the exception of Botany I, Botany II, and Botany VIII, which are \$2.00 each, and Botany VII, which is \$2.50. Additional expense for supplies, if any, is met by the purchase of coupons. The usual expense to the student in advanced courses is from \$2.00 to \$4.00.

CHEMISTRY.

The deposit for each course is \$10. Additional expense for supplies, if any, is met by the purchase of coupons. All returnable materials, as well as unused portions of coupons, are redeemed at the close of the laboratory work in any course at their cash value. The usual cost to the student is as follows:

General Chemistry, \$10.

Analytical Chemistry, \$15 to \$20.

Organic Chemistry, \$15 to \$20.

GEOLOGY.

A laboratory deposit of \$5.00 is required for Course 4, Crystallography and Mineralogy.

GYMNASIUMS.

Locker fee, \$3.00.

PHYSICS.

A deposit of \$5.00 is required for each course each semester. The usual expense is \$2.50 for each semester hour of laboratory credit.

PSYCHOLOGY.

A laboratory fee of \$2.00 is charged for Course 2.

ZOOLOGY.

A deposit fee is required in all courses in this department, with the exception of Zoology 9, 11, and 15. In the courses requiring laboratory deposits, the fee in Zoology 1, 2, 12, and 17, is \$2.00; the remainder, \$5.00.

The apparatus loaned out to the student is expensive, and the fee is not intended to meet this in any measure, but to cover the cost of materials used and the apparatus not returnable. A certain portion of the fee is returned to the student in all courses except Zoology 1, 2, 12 and 17, if there has been no breakage, or in case the money has not been used to buy additional materials. The usual expense to the student in the advanced courses is from \$2.50 to \$4.00.

ORGANIZATION OF THE UNIVERSITY.

GRADUATE SCHOOL.

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS.

General Courses in Liberal Arts.

Special Courses including—

Course Preparatory to Medicine.

Course Preparatory to Law.

COLLEGE OF ARCHITECTURE AND FINE ARTS.

SCHOOL OF COMMERCE.

SCHOOL OF EDUCATION.

A four years' course.

SUMMER SCHOOL.

A six weeks' course.

SCHOOL OF CORRESPONDENCE-STUDY.

SCHOOL OF MUSIC.

Theory, Harmony, and Musical History.

Piano.

Voice.

Violin.

SCHOOL OF MEDICINE.

A four years' course.

SCHOOL OF LAW.

A three years' course.

THE GRADUATE SCHOOL.**FACULTY.**

The faculty of each college consists of the President of the University and the professors, assistant professors, and instructors giving instruction in the college.

ORGANIZATION.

The administration of the Graduate School is entrusted to a committee of the University Faculty called the Graduate Council.

AIM.

The Graduate School in the different departments adapts its work to the needs:

1. Of those desiring to fit themselves for higher positions in the work of education and who as preparation for this work seek to specialize along definite lines;

2. Of those desiring to utilize the opportunities offered by the University to gain greater proficiency in other lines of professional activity or public service;

3. Of those competent to undertake research problems in any department of study and to be of service in the advancement of knowledge. Provision has been made for the publication under the auspices of the University of the results of especially meritorious work of this kind.

ADMISSION AND REGISTRATION.

Students holding the Bachelor's degree from this University or other institutions whose requirements for the degree are equivalent, and who desire to do graduate work, whether for an advanced degree or for no degree, are admitted to the Graduate School. Students holding a Bachelor's degree, but desiring to obtain a first degree in some other line, will register in the undergraduate department. Candidates for admission to the Graduate School must make formal application upon blanks, furnished for that purpose, to the Graduate Council, submitting diplomas or other evidence of the requisite standing.

When approved by the Graduate Council, the applicant pays the required fee at the Steward's office, and receives from the Registrar, each semester, a study card to be filled out by his

major professor. In case of a candidate for an advanced degree, the major professor must be the head of some department in which, either here or in the university from which he comes, the student has taken a sufficient amount of work to fit him for graduate study. The minor may be taken in undergraduate work. When made out, the study card, whether the student be a candidate for an advanced degree or not, must be submitted to the Graduate Council for formal approval. Otherwise, graduate students not seeking a degree are subject to the same regulations as undergraduates.

ASSIGNMENT OF STUDIES.

The heads of departments in which the student takes work constitute his Special Committee, which determines his course, conducts his examinations, and upon completion of all requirements, certifies to the Graduate Council his having earned the degree. The head of a department in which the candidate for an advanced degree takes his major work shall be his adviser, and chairman of his Special Committee.

DEGREES GRANTED.

The University now offers the following advanced degrees: Master of Arts and Master of Science.

THE MASTER'S DEGREE.

Candidates for the degree, Master of Arts or Master of Science, must complete at least one regular semester of study in residence, with the condition that all work *in absentia* for the Master's degree shall be done in regularly organized courses in the University Correspondence-Study Department. The work to be counted toward an advanced degree must be divided between a major subject and a minor, the former receiving approximately twenty semester hours and the latter ten. Six of the thirty hours may, at the option of the candidate's Special Committee, be assigned to the thesis. All candidates must, on or before Monday of the third week before the last of the University year in which the degree is to be conferred, file with the Registrar for the Graduate Council a thesis approved by the chairman of his Special Committee having charge. Within the week in which the thesis is filed the candidate shall sustain a public oral examination by a committee of three appointed

by the President of the University, two of which shall be the heads of departments in which the student takes his work.

Students who during their candidacy for the Master's degree are engaged in teaching or other gainful employment, will be required to devote to their studies such longer period than one year as may be designated by the Graduate Council.

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS.

THE FACULTY.

P. L. CAMPBELL, B. A., President.

JOHN STRAUB, M. A., Dean of the College of Literature, Science
and the Arts, and Professor of Greek Language and Literature.

ERIC W. ALLEN, B. A., Professor of Journalism.

FRED CARLTON AYER, M. A., Professor of Education.

JAMES D. BARNETT, Ph. D., Professor of Political Science.

HUGO BEZDEK, B. A., Assistant Professor of Outdoor Athletics.

JOHN FREEMAN BOVARD, M. S., Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.

JULIA BURGESS, M. A., Assistant Professor of Rhetoric.

ROBERT CARLTON CLARK, Ph. D., Professor of History.

TIMOTHY CLORAN, Ph. D., Professor of Romance Languages.

ARTHUR J. COLLIER, M. A., Professor of Geology.

EDMUND S. CONKLIN, Ph. D., Assistant Professor of Psychology.

EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.

FREDERICK STANLEY DUNN, M. A., Professor of Latin Language
and Literature.

COLIN V. DYMENT, B. A., Professor of Journalism.

CHARLES H. EDMONDSON, Ph. D., Assistant Professor of Zoology.

JAMES HENRY GILBERT, Ph. D., Assistant Professor of Economics.

MONTANA HASTINGS, B. A., Assistant Professor of Education.

WILLIAM L. HAYWARD, Director Men's Gymnasium.

EDWARD W. HOPE, Ph. D., Professor of Law.

CLIFTON FREMONT HODGE, Ph. D., Professor of Civic Biology.

HERBERT CROMBIE HOWE, B. A., Professor of Modern English
Literature.

MARY H. PERKINS, M. A., Assistant Professor of Rhetoric.

GEORGE REBEC, Ph. D., Professor of Philosophy.

ROBERT W. PRESCOTT, B. A., Assistant Professor of Public Speaking.

ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.

JOSEPH SCHAFER, Ph. D., Professor of History.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of the German
Language and Literature.

FREDERICK LAFAYETTE SHINN, Ph. D., Assistant Professor of
Chemistry.

WILLIAM MACKEY SMITH, Ph. D., Professor of Mathematics.

DON C. SOWERS, B. A., Professor of Municipal and Public Accounting.

ORIN FLETCHER STAFFORD, M. A., Professor of Chemistry.

FRED L. STETSON, M. A., Assistant Professor of Education.

BERTHA STUART, B. A., M. D., Director Women's Gymnasium.

ALBERT RADDIN SWEETSER, M. A., Professor of Botany.

EDWARD THORSTENBERG, Ph. D., Professor of Scandinavian Languages and Literatures.

EDWARD ALLEN THURBER, M. A., Professor of Rhetoric and American Literature.

FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.

CECELIA SMITH BELL, B. A., Assistant Instructor in English Literature.

ALBERTA W. CAMPBELL, B. A., Assistant Instructor in English Literature.

ALBERT E. CASWELL, Ph. D., Instructor in Physics.

KARL M. DALLENBACH, Ph. D., Instructor in Psychology.

WILLIAM B. KEMPTHORNE, Ph. B., Instructor in Mathematics.

GRAHAM J. MITCHELL, M. A., Instructor in Geology.

GEORGE H. O'DONNELL, B. A., Instructor in German.

JOHN P. O'HARA, B. A., Instructor in History.

MABLE HOLMES PARSONS, M. A., Instructor in English.

ELLEN M. PENNELL, Instructor in English.

HARRIET THOMPSON, B. S., Assistant Director Women's Gymnasium.

MARY WATSON, M. A., Instructor in English Literature.

ORGANIZATION.

The College of Literature, Science, and the Arts includes the following departments:

Botany, Chemistry, Rhetoric and American Literature, Modern English Literature, Economics and Sociology, Political Science, Education, Geology, German, Greek, History, Journalism, Latin, Mathematics, Philosophy, Psychology, Physics, Romance Languages and Zoology.

ADMISSION.

For full entrance to the freshman class fifteen units are required. Graduates of high schools who for any reason do not

have fifteen units may enter as conditioned freshmen if they have satisfactorily completed at least thirteen units. All conditions must be made up as soon as possible after entrance, one unit during the freshman year and one unit during the sophomore year.

Beginning with September, 1915, no student will be admitted to the University who does not have full freshman standing (except bona fide Special Students.)

The subjects required of all freshmen entering the College of Literature, Science, and the Arts are as follows:

English	3 units
Algebra	1 unit
Plane Geometry.....	1 unit
History	1 unit
Science	1 unit
Elective	8 units
<hr/>	
Total	15 units

Students are urged to present two units of foreign language, but if they are unable to do so they shall be permitted to substitute for the foreign language the same number of units of other work. However, students entering without any foreign language shall be required to take in the University ten semester hours of foreign language in addition to the present requirements, and those offering only one year, six semester hours additional.

SPECIAL COURSES.

A number of courses specially preparatory to professional work are outlined by the various departments.

COURSE PREPARATORY TO MEDICINE.

The requirements for admission to the University of Oregon Medical School comprise, as a minimum the following:

1. The successful completion of a four year high school or academic course, or an equivalent thereof.
2. The successful completion of one year in the Department of Liberal Arts of the University of Oregon, or in an institution acceptable to the University of Oregon. This work must include one year each in chemistry, physics, biology and German or French.

3. A certificate of good moral standing, signed by two reputable physicians.

The student preparing to enter the School of Medicine should take the following courses in the College of Literature, Science and the Arts, making his major subject zoology.

Chemistry 1	5 hours
Physics 1, 2	3 hours
Zoology 1, 2	4 hours
German or French	5, 4 or 3 hours

A good many Medical Schools require two years of college work as a minimum requirement for admission. In this two-year course the subjects as given above are taken and in addition the student continues work in chemistry, biology, and foreign language and has a little time for some elective studies of his own choosing.

A few Medical Schools require three years of college work for admission. This usually means that the student takes three years of chemistry, biology and a foreign language, but has a wider range of electives, giving him a broader foundation for his medical work. A course in Psychology is usually advised as a helpful subject where the student has time to take it. A few schools require, for admission, either the A. B. or B. S. degree.

If possible, the student should look forward to a full college course as the highest type of preparation for beginning his medical work. In accordance with this, the University of Oregon gives, besides the one-year pre-medical course, a pre-medical course extending over two, three or four years, as the student may choose. On the successful completion of the four-year course the student is given either the A. B. or the B. S. degree. In this course the student has ample opportunity to branch out into other than his special subjects and at the same time there is sufficient time to cover many subjects that are helpful directly to the courses in the Medical School. The completion of such a course gives a much broader and better foundation for the student's life work.

COURSE PRELIMINARY TO THE STUDY OF LAW.

It is a noticeable tendency of the times to require a more thorough preparation for all the professions. In none is this tendency more marked than in the profession of Law. Therefor every

student who expects to enter this department is urgently recommended to secure as thorough a collegiate course as his circumstances will permit. A two-year course of studies termed the Pre-Legal Curriculum has been arranged for those who can not take the full collegiate course in preparation for their professional work in Law. Its purpose is to concentrate, and thus conserve, the student's energies by directing his efforts into fields, which, while affording most valuable cultural results, will at the same time, it is thought, best prepare his mind to deal effectively with the Law as student and practitioner. To this end the following course has been recommended:

Pre-Legal Curriculum.

First Year.

English Composition (1).....	6 hours
History (6, 7).....	6 hours
Chemistry (1).....	8 hours
Mathematics (1).....	6 hours
Latin (Beginners' Course).....	6 hours
or, if student can read simple Latin prose with ease, then Roman Law or Elementary Law (3).....	3 hours
and Economics (1, 2).....	4 hours
Physical Training.	
American Government (1).....	3 hours
Psychology (1).....	6 hours
French or German (1).....	10 hours
Economics (3).....	6 hours
Philosophy (History) (1, 2).....	6 hours
Philosophy (Logic) (3).....	2 hours
Physical Training.	

Pre-Engineering Course

Owing to the fact that a number of students who later expect to take up technical engineering courses prefer to spend two or three years in broader Liberal Arts courses before beginning their technical training, the University has outlined the following suggested two-year and three-year pre-engineering courses:

First Year.

English	6 hours
Foreign Language	10 hours
Mathematics	10 hours
Mechanical Drawing	4 hours

Second Year.

Foreign Language	8 hours
Mathematics	10 hours
History	6 hours
Physics	8 hours

Third Year.

Chemistry	4 hours
Political Economy	6 hours
Mineralogy	6 hours
Analytical Mechanics	6 hours
Descriptive Geometry	4 hours
Graphic Statics	4 hours
Elective	6 hours

GRADUATION.

The degree of Bachelor of Arts is conferred upon students of the College of Literature, Science, and the Arts who have been in residence at least one academic year, and who have secured one hundred and twenty semester hours of credit, including the required work, exclusive of physical training; but the degree of Bachelor of Science may be conferred upon students conforming to the requirements enumerated above and electing majors in Natural Science or Mathematics, provided that written request for this degree be filed with the Registrar of the University at least thirty days before the date upon which the degree is to be granted.

REQUIRED WORK.

A semester hour is the credit given for a course consisting of one recitation, lecture, or laboratory period a week for one semester of twenty weeks. Three hours shall constitute a laboratory period.

Major.—Every student on entering the University must choose a major subject. The work required in the major subject (including thesis) shall not be less than twenty nor more than forty

semester hours, but a student may, if he desires, take extra hours in any one department up to a total of five, making the total hours in that department forty-five.

Personal Hygiene.—One lecture per week, on personal hygiene, for which college credit is given, is required of all freshmen women.

Thesis.—Each candidate for the Baccalaureate degree shall present at the option of his major professor an approved graduating thesis in his major subject. Credit not to exceed four semester hours may be allowed for the preparation of the thesis.

Physical Training.—In addition to the one hundred and twenty semester hours required for graduation, six semester hours shall be earned in physical training, two in the Freshman year and two in the Sophomore. In case students are for valid reasons excused from physical training, such students shall earn an equivalent amount of credit in other departments, *i. e.*, students excused from gymnasium shall complete 126 semester hours of university work for graduation. Three hours in the gymnasium shall be equivalent to one semester hour. A physician's certificate only shall count as a valid excuse from gymnasium work.

Language.—Every candidate for the degree of Bachelor of Arts, or Bachelor of Science in the College of Literature, Science, and the Arts, shall secure during his Freshman and Sophomore years credit in languages other than English to the extent of 14, 16, 18, or 20 semester hours, which shall be taken in two-year courses.

Freshman Studies.—The studies of the Freshman year, except as heretofore provided, shall be chosen from the following list of subjects, consisting of the courses offered by the several departments as Freshman work: Botany 1, 2, 11; Chemistry 1; Economics 1, 2; English Composition 1, 2, 3, 4; English Literature 31, 32, 37 and 38; Geology 1; German 1; German 2 and 3, if prepared; French 1; French 2 and 3, if prepared; Greek 1; Greek 2, if prepared; Spanish 1; Spanish 2, if prepared; Scandinavian Languages 1 and 2; History 1; Journalism 1; Latin 1 to 8; Mathematics 1a, 1b, 1c, 2, 3; Personal Hygiene 7; Physics 1, 2, 3, 4; Public Speaking 1, 5, 7; Zoology 1, 2, 11.

DEPARTMENTS OF INSTRUCTION.*

Announcement of Courses for 1914-15.

BOTANY.

PROFESSOR SWEETSER.

MISS HOWELL.

MISS SANBORN.

(a) Introductory courses as a foundation for study in Botany and Zoology; (1) for students preparing for the study of Applied Science; (2) for students seeking general culture; (3) for those preparing to teach Science in secondary schools; (4) for students preparing for the study of Medicine.

(b) Intermediate courses for those planning for more extended study along the lines of Biology or Geology.

(c) Advanced courses for students in the Graduate School and for those seeking specialized study and research as far as the resources of the department will permit.

Students taking work preparatory to Medicine, Dentistry, and Pharmacy should elect the following courses in this department: 1, 2, 3, 5, 6, and 11.

1. *Cryptogamic Botany and Taxonomy of Phenogams.* Three lectures and one laboratory period. Morphology, Physiology, and Ecology of the flowerless plants and classification of Phenogams and Cryptogams. Open to Freshmen. Lectures on Monday, Wednesday, and Friday at 8; laboratory periods Tuesday or Wednesday afternoon. *Four hours, first semester.*

2. *Phenogamic Botany.* Three lectures and one laboratory period. An introductory study of the Morphology, Physiology, and Ecology of the flowering plants, both Angiosperms and Gymnosperms. It is intended for beginners or for those who wish to get a comprehensive view of the subject. Open to all Freshmen. Lectures on Monday, Wednesday, and Friday at 8; laboratory periods Tuesday or Wednesday afternoon. *Four hours, second semester.*

3. *Structural Botany and Plant Histology.* One lecture and two laboratory periods. Prerequisites, Courses 1 and 2. Must precede Course 5. Not given 1914-15. *Three hours, first semester.*

*Alphabetically arranged according to departments.

4. *Plant Physiology and Morphology*. One lecture, two laboratory periods. An advance course, and will include a more or less extended study of plant organs and vegetal functions. Prerequisites, Courses 1 and 2. *Three hours, second semester.*

5. *Medical Botany*. One lecture, two laboratory periods. A study of some of the typical medicinal plants, their structure, habitat and medicinal properties. Also a few powdered drugs and their adulterants. Prerequisites, Courses 1, 2 and 3. Not given 1914-15. *Three hours, second semester.*

6. *Bacteriology*. One lecture, two laboratory periods. Laboratory technique and lectures, methods of staining, examining, and cultivating bacteria. Advised for pre-medical students, both semesters. In connection with Physical Culture and in preparation for Domestic Science, first semester. *Three hours, first semester.*

7. *Economic Botany*. Biological examination of water, bacteriology of milk, foods, etc. Vegetal food stuffs, dietetics, pure foods and adulterated. One lecture, one laboratory period. *Two hours, second semester.*

8. *Systematic Botany*. (a) Taxonomy of Cryptogams, Mycology, and Algology. (b) Higher Cryptogams and Phenogams. (c) Native shrubs and trees. *Hours to be arranged.*

9. *General Biology*. Two lectures. Devoted to the study of plant and animal structure and some of the fundamental principles of life. Discussion of evolution from biological standpoint, the theories of Lamarck, Darwin, Weimann, DeVries, Mendleism, heredity and environment; open only to Juniors and Seniors. Tuesday and Thursday at 11. Not given 1914-15. *Two hours, first semester.*

9a. *Biology Demonstration*. Intended for those electing Course 9 and desiring in addition a laboratory study of some simple life problem. *One hour, each semester.*

10. *Research*. Thesis and other investigations.

11. *Sanitary Hygiene*. The economy of the microbes, pure water, pure air, pure milk, and pure food. Lectures. Open to all. *Two hours, first semester.*

12. *Pedagogical Colloquium*. Suggestions in methodology for those intending to teach. *One hour, each semester.*

EQUIPMENT.

Mr. Thomas Howell has donated his large herbarium, containing many types species, to the University. This collection will be available for students in Systematic Botany.

The Leiberg collection of 15,000 sheets of specimens, mostly from Oregon and Idaho, has just been given to the University by Mr. Leiberg. They are for the most part duplicates of specimens filed with the Government, and are extremely valuable.

The collection of Mr. W. C. Cusick of 10,000 sheets has been purchased and Mr. Cusick will make additional collections for the University Herbarium.

LABORATORY FEES IN BOTANY.

A deposit of \$5.00 is required for each laboratory course, with the exception of Botany 1, Botany 2, and Botany 8, which are \$2.00 each, and Botany 7, which is \$2.50. Additional expense for supplies, if any, is met by the purchase of coupons. The usual expense to the student in advanced courses is from \$2.00 to \$4.00.

CHEMISTRY.

PROFESSOR STAFFORD.

ASSISTANT PROFESSOR SHINN.

MR. WHITMAN.

Students electing Chemistry as a major will in general be expected to take Course 1 during the Freshman year, Courses 3 and 4 in the Sophomore year, and Courses 5 and 10 during the Junior year. The Senior year may be devoted to whatever courses the department may offer during that year which will most nearly meet the demands of the special line of work to be taken up after graduation. Prerequisites and closely allied work during the college course include German, French, Mathematics, Physics, Mineralogy, Biology, etc., depending again upon the work for which the student is making preparation.

1. *General Chemistry*. This course or a satisfactory equivalent is prerequisite for all other work in this department. Its purpose is to give a general introduction to the science, emphasizing, incidentally, many practical applications of Chemistry in the affairs of every-day life, manufactures, metallurgy, etc. Three lectures are given each week for the year in which the subject material to

the course is illustrated by elaborate lecture experiments, while numerous specimens, models, charts, lantern slides, etc., serve to give the subject a living interest by bringing the students as nearly as possible into contact with its practical aspects. Three hours of laboratory work per week for the year, with the ample facilities for laboratory work that this department now offers, affords a good opportunity for first-hand contact with the experimental truths of chemistry and for training in laboratory methods. Lectures on Monday, Tuesday, and Wednesday at 11; laboratory periods 1 to 4, Thursday or Friday. *Four hours, both semesters.*

3. *Analytical Chemistry.* A course in qualitative analysis embracing the systematic separation and detection of the common inorganic radicals, followed by a course in quantitative analysis consisting of exercises illustrating the important methods of gravimetric and volumetric determinations. One lecture or recitation per week at an hour to be arranged. Laboratory open to students in this course 1 to 5, Monday, Tuesday, and Wednesday.

Three or four hours, either semester.

4. *Analytical Chemistry.* Continuation of Course 3. Devoted to quantitative analysis. *Either semester.*

5. *Organic Chemistry.* An introduction to the chemistry of the hydrocarbons and their derivatives. The subject-matter of this course is a necessity to the advanced student of chemistry, and to students of medicine, pharmacy, biology, and kindred subjects. The work is based largely upon "Organic Chemistry"—Perkin and Kipping. Three lectures a week for the year. Laboratory requirements are the satisfactory completion of 25 preparations to be assigned by the instructor. *Four hours, both semesters.*

8. *Physiological Chemistry.* A brief study of the chemical constitution of the body, of foods and of excretion and of the chemical changes accompanying metabolism. The laboratory work will be selected from the following subjects: A study of fats, carbohydrates, and proteins; the products of salivary, gastric and pancreatic digestion; milk, egg, bile and blood; the chemical and microscopic examination of normal and pathological urine.

Lectures twice a week and one three-hour laboratory period per week. Must be preceded or accompanied by Course 5.

Three hours, second semester.

10. *Advanced Inorganic Chemistry.* A lecture course in which an introductory study of the law of mass action, the phase rule, the theory of electrolytic dissociation, Avogadro's hypothesis, and similar helpful conceptions is made in connection with their practical applications. The work is based upon "The Principles of Inorganic Chemistry"—Ostwald. Three lectures per week.

Four hours, second semester.

12. *Advanced Analytical Chemistry.* Laboratory practice in gravimetric, volumetric and electro analysis. The following subjects are covered, from which the student may select to suit his own particular needs: Ores and alloys of copper, zinc, chromium, manganese, arsenic, antimony, lead, etc.; clay, rock, and cement; iron and steel; paints; fertilizers; gas, in which the student acquires familiarity with the apparatus through analysis of air, gaseous mixtures, and illuminating gas; fuel including proximate and ultimate analysis of wood, coal, gas, and oil, and the determination of their heating values by the Parr, Mahler, and Hinman calorimeters. Fortnightly lectures in which is taken up the theory, calculation, and interpretation of data. Prerequisite, Course 3.

Two hours or more, either semester.

14. *Industrial Chemistry.* Typical industries are studied for the purpose of bringing out the technique of applied chemistry as well as to give specific information regarding the cases discussed. Subjects usually discussed are: Fuels, cements, lime, plaster, alkalis, acids, coal, gas, producer gas, ammonia, electric furnaces and their products, and electro-metallurgy. Lectures, collateral reading, and reports.

Two hours, both semesters.

16. *Physical Chemistry.* The elements of this subject. Two lectures and one three-hour period for laboratory work or calculations.

Three hours, both semesters.

18. *Electro Chemistry.* One lecture and three hours of laboratory or computation per week.

Two hours, second semester.

21. *Sanitary Chemistry.* The chemistry of water purification, sewage treatment, food preservation and adulteration, etc.

Two hours, first semester.

25. *Journal Club.* Meetings once a week for reports and discussion upon current chemical literature. Meetings open to every-

one. Students regularly enrolled will receive one semester hour credit. Chemistry 1 prerequisite to enrollment.

27. *Teachers' Course.* A one-hour course devoted to the discussion of teaching problems in chemistry. Students taking this course will be required to supervise a certain amount of laboratory work.

LABORATORY FEES AND PURCHASE OF MATERIAL.

The efficiency of a laboratory course depends to a very great extent upon having at hand a sufficient supply of the proper materials for the work outlined by the instructor. These materials correspond in a way to the pencils, paper, text-books, etc., required in other courses to facilitate the work of instruction.

The selection of materials is itself a task demanding considerable experience if the best are to be secured, and since, moreover, the remoteness of the University from adequate sources of such supplies make their purchase in a small way a matter entirely out of the question, it becomes a necessity for the department to carry in addition to its own assortment of chemicals and apparatus for general and lecture purposes an amount sufficient for the use of its students in all of the courses offered.

In conducting this phase of departmental affairs, the aim is to make it strictly a business proposition, the carrying out of which demands a rigid adherence to the following details:

A deposit of \$10 for each laboratory course in which enrollment is made must be placed with the University Steward to stand as a security for the *unreturnable* portions of the outfits loaned at the beginning of laboratory work, and as a fund from which may be deducted a proportionate share of the cost of material supplied to the course in a general way. This deposit, as a rule, does not nearly cover the entire cost of the outfits, and the transaction is made with the understanding that where the breakage and other losses are excessive the student is to make good whatever the amount may be over and above the deposit. The University reserves the right in all cases to withhold credit for work done until laboratory accounts are fully settled.

Loans of additional material are made from time to time as may be necessary, the charges for which are punched from coupons issued in sums of one dollar by the University Steward. Such

additional material need not necessarily be obtained from the store room, however, but from wherever it may be desired so long as it is available when needed, and is adapted in all respects to the course requirements, both as to quality and quantity; but in order to avoid the accumulation of heterogeneous material in the store room, the department will not receive any article for credit at the end of a course that was not originally dispensed from the regular stock. Since a large part of the apparatus carried in the store room is imported free of duty for use in the University laboratories only, the department does not relinquish title to the material taken out, but considers the transaction as a loan, with the understanding that unused material is to be returned for credit in all cases.

All returnable material, as well as unused portions of coupons, are redeemable at the close of the laboratory work in any course at their charged value, and cash balances are collected or returned as the case may be.

The approximate cost of the laboratory courses outlined above is as follows: General Chemistry, \$10; Analytical Chemistry, \$15 to \$20; Organic Chemistry, \$15 to \$20. In addition to the \$10 deposit each student is required to purchase one or more of the one dollar coupons at the time enrollment is made.

It is especially to be noted that these deposits are to be made preliminary to enrollment in laboratory courses. There should therefore be due provision on the part of the student for the prompt payment of the amounts in order that no hardship may be incurred by the delay that otherwise must follow.

ECONOMICS AND SOCIOLOGY.

PROFESSOR YOUNG.

PROFESSOR GILBERT.

PROFESSOR SOWERS.

The courses offered by this department are designed to meet the needs of students who intend to enter the public service, business, the professions of law, journalism, the ministry, or who are preparing to teach in this field or in that of history or literature. Students planning to follow engineering or other practical pursuits who wish to round out their preparation for life on the business, social, and civic sides, will find courses especially adapted to their needs. Preparation for those higher and wider responsibilities of

citizenship that should be assumed by every university man or woman is provided for in special courses. (See Courses Nos. 3 and 4.)

Regular field work in special lines of commonwealth service will be undertaken. The scope of the department's activities will be extended through services of members of the teaching staff offered as consulting aids to municipalities and to counties in securing higher efficiency in public affairs. The development of co-operative business organizations will also be fostered through the tendering of expert aid.

The work of this department has thus the following distinct but related aims:

1. To provide in co-operation with other departments the regular preliminary university instruction for several practical and professional pursuits.

2. To supplement the work of other departments in providing the lines of study necessary in the training for efficient citizenship.

3. To assist and encourage the development of these sciences and to stimulate a larger utilization of their principles in the organization and in the affairs of this commonwealth. (See "Research of Theses Course," No. 19.)

5. To furnish direct expert aid toward the attaining of a higher economic and social order for the people in their communities throughout the State and for the State at large.

Special attention is called to the courses of the department of History, which are naturally preliminary to thorough work in this department; to the general course in biology for concepts helpful in the study of sociology; and to related courses in philosophy and ethics.

Open to Freshmen at the beginning of the University year.

Economics: Courses 1 and 2, and if student has had requisite preparation, Course 3.

ECONOMICS AND SOCIOLOGY.

I. PRIMARILY FOR UNDERGRADUATES.

1. *Economic and Social History of England.* This course is introduced with a sketch of the social and industrial evolution of mankind to the stage represented by the inhabitants of England

at the time of the Saxon invasion. The nature of the social and industrial organization of the English people is traced through its successive modifications down to the present time, and the influences affecting it identified. Industrial development on the continent is at each stage brought into comparison with that of the English people. Text-book, assigned readings, and exercises Tuesday and Thursday at 11 and 2. *Two hours, first semester.*

2. *The Economic and Social History of the United States.* The development of the characteristic lines of agriculture, industry, and commerce in the United States is studied and the interaction between this economic development and the political and social institutions noted. Tuesday and Thursday at 11.

Two hours, second semester.

3. *The Principles of Economics.* The principles that underlie the different economic relations and institutions are developed and applied. The elements in the more important economic problems are pointed out. Text-book, assigned readings, and exercises. Monday, Wednesday, and Friday at 8; and Monday, Tuesday, and Friday at 10.

Three hours, both semesters.

4. *The Elements of Sociology.* The influences and factors determining human life in association are studied. A comprehensive view of the social process is developed. The relations and the organization characterizing progressive society are identified and their reactions on the mental life of the individual are investigated. Tuesday and Thursday at 9.

Two hours, both semesters.

II. FOR UNDERGRADUATES AND GRADUATES.

5. *The Labor Problem.* Topics considered are: The rise of the factory system, factory legislation, the growth of trade unions, and changes in the law in respect to them, the policies of trade unions, strikes, lockouts, arbitration and conciliation, proposed solutions of the labor problem, and the future of labor in the United States. Tuesday and Thursday at 11.

Two hours, first semester.

7. *Government Administration.* The purpose of this course is to give to students who will soon be occupying positions of leadership in this state and elsewhere some definite standards by which to judge the efficiency or inefficiency of municipal and state admin-

istration and to give a definite concrete program by which defects may be corrected. It analyzes and criticises in detail the organization and methods of conducting public business in the various departments, with constructive suggestions. Monday and Tuesday at 1. Professor Sowers. *Two hours, second semester.*

9. *Accounting Principles.* Students taking this course are expected to be familiar with the elementary principles of bookkeeping. It is concerned with the valuation of assets, depreciation, the technique of retiring bonded indebtedness, accounting systems, with special attention being given to municipal accounting problems. Tuesday at 10. Professor Sowers. *One hour, first semester.*

11. *Public Finance.* It is the aim of this course to ascertain principles of public expenditure, public revenue, budgetary legislation, financial organization, and public indebtedness. These principles will then be applied to concrete problems connected with corporation, railway, mortgage, and insurance taxation, and double taxation, and the income, the personal property and inheritance taxes. Monday, Wednesday, and Friday at 11.

Three hours, both semesters.

13. *Money, Banking, and Economic Crises.* The principles of Economics are applied to modern monetary systems with the view of developing policies of improvement. The conditions attending the development of industrial and monetary crises are analyzed. Tuesday and Thursday at 2.

Two hours Both semesters.

15. *History of Economic Thought.* The interactions between the ideas pertaining to economic interests and the conditions of economic life, also the relations between the economic thought and the philosophical speculations of successive epochs are traced. The existing schools of economic thought are defined. Monday, Wednesday, and Friday at 9.

Three hours, first semester.

16. *Distribution of Wealth.* An historical and comparative study of the theories of leading economists. Monday, Wednesday, and Friday at 9. (Not given in 1913-14.)

17. *Railway Transportation.* A study of the economic, social, and political problems connected with the railroad as a factor in modern life. Monday, Tuesday, Thursday, and Friday at 10.

Three hours, first semester.

18. *Pools, Trusts, and Combinations.* An inductive study of the tendencies and forces in modern industrial development. Monday, Tuesday, and Friday at 10. *Three hours, second semester.*

19. *Conservation and Commonwealth Research and Senior Theses.* Problems of conservation affecting human interests in the Pacific Northwest will be outlined. The essentials of a commonwealth course will be developed. All seniors taking majors in this department will be guided in the preparation of their theses. Thursday at 10. Library hours for thesis work fixed by special arrangement. *Two hours, both semesters.*

20. *Modern Sociological Thought.* A survey of the works of leading sociological writers, and a synthesis of their systems. Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

21. *Socialism and Social Reform.* An accounting of the pathological conditions in our present social order. A critical examination of Socialism as a program of social reform. Prime conditions of social betterment. Monday, Wednesday, and Friday at 9. *Three hours, second semester.*

24. *The Economics of Co-Operative Organization* for main lines of Oregon business enterprise. *Two hours, first semester.*

25. *The Principles of Efficiency* in the affairs of the school district, the county, the municipality and the State governments. *Two hours, second semester.*

EDUCATION.

PROFESSOR AYER.

ASSISTANT PROFESSOR HASTINGS.

ASSISTANT PROFESSOR STETSON.

It is the aim of this department to offer a group of courses which will acquaint the student with the results and methods of work in all the important departments of modern pedagogy. This work is fundamental to students in the School of Education. The State law stipulates 15 hours in education as a part of the requirements for certification of high school teachers. Owing to the advanced nature of the courses, with the exception of Course 1, students will not ordinarily be admitted to the classes in pedagogy until the beginning of their junior year. Students should consult with the department of education before planning courses leading into the teaching profession.

A more detailed statement of the work of the department and the School of Education may be obtained by referring to the announcement of *The School of Education* in this catalog.

1. *Principles of Education*. An introduction to the general field of education. This course should precede all other courses in education and is open to students prior to their junior year. Prof. Ayer. Tuesdays and Thursdays at 10.

Two hours, repeated each semester.

2. (A and B.) *History of Education*. (A) Ancient and Mediaeval History of Education will be considered the first semester, and (B) Modern History of Education the second semester. This course includes a study of the world's chief educational systems with special emphasis on the methods and principles which have evolved into modern educational practice. Prof. Ayer. Mondays, Wednesdays, and Fridays at 9.

Three hours, both semesters.

3. *Pedagogical Psychology*. Application of the fundamental principles of adult psychology to educational problems. Assistant Professor Stetson. Monday, Wednesday, and Friday at 8.

Three hours, first semester.

4. *Genetic Psychology*. Growth of the individual mind through childhood and adolescence to maturity, with reference to pedagogy. Assistant Professor Stetson. Monday, Wednesday, and Friday at 8.

Three hours, second semester.

5. *Secondary Education*. History, organization, and administration of secondary education in America; training of secondary teachers. School management applied to secondary schools. In addition to the regular work of the course, the librarian of the University will present the topic of the high school library, the department of physical training will present the hygienic problems of the high school, and outside lecturers will discuss the athletic and social problems of the high school. Miss Hastings. Tuesdays, Thursdays at 9.

Two hours, first semester.

6. *Secondary Educational Practice*. Course 5 continued. Miss Hastings. Tuesdays and Thursdays at 9.

Two hours, second semester.

7. *School Administration*. Structure of State and city systems of education, school finance, the school house, the teaching staff, administration of normal schools, vocational education, physical education, correctional education, schools for defective and sub-

normal children, evening and continuation schools, child labor laws and educational statistics. Monday, Wednesday and Friday at 11.

Three hours, first semester.

8. *Organization of Common School Curricula.* History of common school course of study in America, comparative study of city and State courses of study, grading and promotion, and allied topics. Monday, Wednesday and Friday at 11.

Three hours, second semester.

9. *Scientific Methods of Study.* How pupils of the high school may be taught to study more independently and effectively is the question that dominates the course. This includes a systematic consideration of the whole question of study in the light of modern psychology and modern pedagogy. Demonstration lessons are given by some of the best teachers of the high schools. Investigations as to what is being accomplished by other schools in securing more efficient study; a careful study of the best literature upon the subject. Texts, McMurray, How to Study; Dewey, How We Think. Assistant Professor Hastings. Tuesday and Thursday at 2.

Two hours, second semester.

10. *Library Methods and Periodical Literature of Education.* This course will include library procedure from both administrative and research aspects. It will introduce students of education to the general character and content of various pedagogical journals on file in the library and of various periodical publications of educational bureaus, associations, institutions, and foundations. This course should be taken by all students interested in research work in education or in the administration of high school libraries. It should also prove profitable to all students of journalism, psychology, social science, and other departments interested in methods of library research, periodical literature, or library administration.

One hour, repeated each semester.

12. *Practice Teaching.* In University practice school and in high schools. This work is under the direction of the department. Students should apply through the Registrar for this course during the preceding semester. Directions for the conduct of practice teaching and general announcements will be posted on the library bulletin board. Repeated each semester, student to register for one semester only. Alternates with 10. Prerequisites: Education 6 hours and senior standing.

Five hours, repeated each semester.

FOR GRADUATES AND ADVANCED STUDENTS.

Other courses involving historical and sociological consideration of education will be offered to graduate students beginning with 1914. See the announcement of the School of Education.

15. *Experimental Education.* A survey of experimental and statistical investigations of school problems. This course is intended for advanced students who are qualified to carry on special studies. Each member of the class will select a particular subject for special investigation which is to be mastered and embodied in a report or monograph at the end of the semester's work. Professor Ayer. Alternate years with Education 8.

Three hours, both semesters.

16. *Philosophy of Education.* Advanced aim and purpose of education, criticism of fundamental characteristics of present-day systems, consideration of the moral education movement, education from the standpoint of the individual, society and the species. Pre-requisite: Education 1 and 2. Professor Ayer.

Two hours, both semesters.

ENGLISH.

PROFESSOR HOWE, Modern English Literature.

PROFESSOR THURBER, Rhetoric and American Literature.

MISS BURGESS.

MISS PERKINS.

MRS. PENNELL.

MISS WATSON.

MRS. PARSONS.

MISS BELL.

MISS CAMPBELL.

MR. ELLIOTT.

Five objects are contemplated in the following courses:

1. An ability to appreciate, enjoy, and criticise justly, the best in English literature.

2. A scientific knowledge of the origin and development of English literature in general, and of special periods in particular.

3. Proficiency in English Composition, including skill in organization of material.

4. A scientific knowledge of the laws of written and spoken discourse.

5. Ability to apply the methods of philological science to the English language.

All students, regular and special, who take up the work in these courses, must present fifteen hours of entrance English. The entrance English requirements will conform to the State high school course.

Every student in the College of Literature, Science and the Arts, at the beginning of his freshman year, shall elect either (1) to take an examination, or (2) to take six semester hours in Rhetoric, for which college credit will be given.

The examination will be held during registration week at an hour and place announced on the bulletin boards. It will consist (1) of exercises to test the student's knowledge of punctuation and sentence structure, and (2) of a number of assigned topics to bring out the student's facility and accuracy in the use of English. A student who attains a high degree of excellence in the examination is released from further requirements in Rhetoric unless the student is majoring in that subject or intends to teach it. Students who give evidence in the examination of a notable degree of efficiency in the use of the English, but who do not attain high excellence, shall be required, according to the worth of their papers, to take in freshman year either (1) two semester hours or (2) four semester hours in Rhetoric. Those students who fail to show a satisfactory degree of efficiency in the examination will be required to take the regular freshman six semester hours' course.

All students entering advanced college classes must be accredited with English done elsewhere or comply with entrance requirements here, through examination or work in class.

Students who wish to make Rhetoric or English Language or English Literature their major subject are required to take courses 1, 31, 32, 33, and 37, or satisfy their instructors of equivalent work done elsewhere. For their further study in any of these departments to fulfill their major requirement, they will consult with their advisers.

Those who expect to teach English will be subject to the approval of the heads of the department of English, and will be required to take, in addition to the courses named above, courses 6, 34, 38, and 63. Other courses will be added by the professors under whom they may do their major work.

RHETORIC.

Students who elect their major in the department of Rhetoric will take as a basis for their work the courses mentioned above, to which will be added in their senior year course 8. Other courses will be chosen under the advice of the department.

Before taking the advanced courses of this department, however, students choosing major work here are recommended to take at least one full year course in each of the following general groups: I, History-Economics; II, Philosophy-Mathematics (including Psychology, Ethics, and Logic); III, Physical and Biological Sciences; and two full year courses in IV, Language and Literature other than English. The purpose of this requirement is to give breadth to the students' course that their work may be more effectively concentrated in their last two years. The requirement will also enable students to shift their major in their junior year, if they find that their interests lie outside this department.

1. *English Composition.* A study of the elements of effective prose with analysis of selected masterpieces; constant training in writing and frequent consultations. A text-book will be used. Open to all freshmen. Professor Thurber, Miss Burgess, Miss Perkins, Mrs. Pennell, Mrs. Parsons. Tuesday, Thursday, and Friday at 8; Monday, Wednesday, and Friday at 9; Monday, Tuesday, and Friday at 10; Tuesday, Thursday, and Friday at 10; Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

2. *English Composition.* A repetition of course 1 in alternate semesters. *Three hours, both semesters.*

3. *English Composition.* Same in general scope as course 1. Open to freshmen who have passed off an hour of their required Rhetoric. *Two hours, both semesters.*

4. *English Composition.* Open to freshmen who have passed off two hours of their required Rhetoric. *One hour, both semesters.*
One of the above courses is prerequisite to courses 6-10.

6. *Rhetoric.* Open to students who have passed in a freshman course or who have passed off their Rhetoric requirement. The Atlantic Monthly is used in this course. It is prerequisite to the later courses in Rhetoric. Monday, Wednesday, and Friday at 9. Professor Thurber. *Three hours, both semesters.*

7. *Daily Themes.* Daily short papers, and longer fortnightlies. In the second semester an extended paper of several chapters will be required. An opportunity for practice in verse forms. This course is open to a limited number of students who have attained an H grade in their freshman work or S in Rhetoric 6. Tuesday and Thursday at 11. Professor Thurber.

Three hours, both semesters.

8. *Essay Writing.* An advanced course in composition, especial attention being given to the essay. Tuesday and Thursday at 9. Miss Burgess.

Two hours, first semester.

9. *Short Story.* For those who in previous courses have shown an aptitude for story writing. Typical short stories will be analyzed and exercises given in the development of motive, character, plot and environment. Professor Thurber. Tuesday and Thursday at 9.

Two hours, second semester.

10. *Verse Composition.* A study of verse forms in English poetry, with exercises in writing verse. In the second semester a more detailed study of one or two poets. Friday at 10. Professor Thurber.

One hour, both semesters.

ENGLISH LANGUAGE.

Students choosing major work in this department will usually be required to pursue the following courses in the order stated: Freshman year, courses 1, 31, and 32; sophomore year, courses 33, 23, and 24; junior year, course 34; senior year, course 21. Additional work will be prescribed as the needs of the individual student may demand.

21. *Anglo-Saxon.* Grammar and translation of select passages in prose and poetry. The relationship between Anglo-Saxon and cognate continental languages will be carefully studied and traced. A knowledge of German will be extremely helpful.

Three hours, both semesters.

22. *Anglo-Saxon. Beowulf.* A textual and critical study of the great epic. Theories of composition and authorship. Historical and literary value. Christian and heathen elements.

Three hours, both semesters.

23. *History of the English Language.* A lecture course in the growth and development of the language, including discussions of

the different language families, characteristics, and relationship. Consonant shifts. Teutonic group characteristics. Native and foreign linguistic elements. *Two hours, first semester.*

24. *English Phonology*. Principles of Phonetics. Development of English vowel and consonant systems.

Two hours, second semester.

25. *Anglo-Saxon*. Reading from Cynewulf, signed poems and attributed poems. Alfred Saxon Chronicles, Aelfric, alliterative and prose homilies. *Two hours, both semesters.*

ENGLISH LITERATURE.

More courses are given in the department than any one student is permitted to take, and opportunity is offered to map out work in more than one field. All students wishing to make modern English Literature a major are therefore requested to consult the head of that department.

31. *Outlines of English Literature*. Anglo-Saxon literary development, characteristics of the heathen, transitional and Christian epochs. The influence of the Norman Conquest, the subsequent revival of literature and its later growth. The entrance of different literary elements and forms. The work will consist of lectures, recitations, and reports. Monday, Wednesday, and Friday at 2. *Three hours, one semester.*

32. *Outlines of English Literature*. From Edmund Spenser to the present. A laboratory course, in which the student will read the literature, instead of reading about it. The aim is to lead the student, as far as possible, to gain his knowledge of each epoch from his own reading of selected works of representative authors. This work is supplemented by lectures and interpretative readings. Monday, Wednesday, and Friday at 2. Professor Howe.

Three hours, one semester.

Courses 31 and 32 are intended as a survey of the entire field of English Literature and will be given each semester.

33. *Chaucer*. A reading course in Chaucer's Tales and poems, with attention to his pronunciation, his language and the interests of his time. May be taken by any who have had prerequisite courses 31 and 32. Tuesday and Thursday at 9. Professor Thurber. *Two hours, first semester.*

34. *Scottish Poets.* A study of early Scottish poetry. Poems of Bruce, Barbour, Henryson, and The Tail of Rauf Coilyear will be read and discussed as representative of the later expression of Northumbrian poetry. Southern Chaucerian imitators. Not given in 1913-14.

Two hours, one semester.

35. *History of English Epic and Lyric Poetry.* This course is intended to serve as an introduction to the field of epic and lyric poetry. With course 36 it aims to cover the three great lines of development in the English verse. Not given in 1913-14.

Two hours, first semester.

36. *History of English Drama.* This course will be introduced by a survey of the greater epochs of the drama in literary history, after which it will proceed to the discussion of the beginnings and subsequent development of the drama in English. Not given in 1913-14.

Two hours, second semester.

37. *Wordsworth.* A study of the best known poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of the author. Professor Howe. Tuesday and Thursday at 11.

Two hours, first semester.

38. *William Morris.* A study of the life and writings, both prose and verse, sufficient to give the student a fair comprehension of the meaning and importance of Morris. Professor Howe. Tuesday and Thursday at 11.

Two hours, second semester.

(Courses 37 and 38 are given in natural sequence, but may be taken separately. They are open to freshmen, and required in sophomore year of such students taking a major in the department as did not take them in freshman year.)

39. *Shelley.* A study of the more important works in their order as written, and elucidated by some study of Shelley's life, illustrative of his system of thought and significance in the literature. Monday, Wednesday and Friday at 8. Professor Howe.

Three hours, first semester.

40. *Browning.* A study of the Ring and the Book, followed by systematic examination of a number of the important short poems. The aim is first, to give the student facility in reading Browning understandingly, and secondly, to acquaint him with the range of the author's thought and sympathies. Miss Watson. Monday, Wednesday and Friday at 8.

Three hours, second semester.

(Courses 39 and 40 will be taken in sophomore year by students with a major in the department. In conjunction with courses 37 and 38 they lay a solid basis of knowledge prerequisite to courses 41 and 42, which may be taken at any time after completing the four courses last preceding, but are properly senior courses.)

41. *The Georgian Poets.* Wordsworth, Coleridge, Southey, Scott, Byron, Shelley, Keats, Hunt, Hood, Landor. Monday, Tuesday and Friday at 10. *Three hours, first semester.*

42. *The Victorian Poets.* Browning, Barrett-Browning, Tennyson, Rossetti, William Morris, Swinbourne, Matthew Arnold, De Vere. Monday, Tuesday, and Friday at 10.

Three hours, second semester.

43. *Edmund Spenser.* A study of the Shepherd's Calendar and the later books of the Faerie Queen. (Not given in 1912-13.) Professor Howe. *Two hours, first semester.*

44. *Milton.* Paradise Lost entire, Paradise Regained, and Samson Agonites. Tuesday and Thursday at 9. Miss Watson. (Not given in 1913-14.) *Two hours, first semester.*

45. *Shakespeare.* The comedies and historical plays. Two sections: Monday, Wednesday, and Friday at 9 and 2. Miss Watson. *Three hours, first semester.*

46. *Shakespeare.* The tragedies. Two sections: Monday, Wednesday, and Friday at 9 and 2. Miss Watson.

Three hours, second semester.

(Courses 45 and 46 will hereafter constitute a prerequisite to course 57, in the critical study of Shakespeare.)

47. *The Contemporaries of Shakespeare.* The important Elizabethan and Jacobean dramatists. Tuesday and Thursday at 9. Miss Watson. Not given in 1913-14. *Two hours, both semesters.*

48. *English Prose Writers* (not novelists), of the nineteenth century. Ruskin will be read in class, with Matthew Arnold, Newman, etc., as collateral reading. Monday, Wednesday and Friday at 1. Professor Howe. *Three hours, first semester.*

49. *English Prose Writers* (not novelists), of the nineteenth century. Carlyle will furnish the class text, but De Quincy, Macauley, and Landor will also be studied. Monday, Wednesday, and Friday at 1. Professor Howe. *Three hours, second semester.*

50. *English Prose Writers of the Eighteenth Century*. Gibbon, Burke, Samuel Johnson, Boswell, Hume, Smollett, Goldsmith, Fielding. Professor Howe. (Not given in 1913-14.)

Two hours, both semesters.

51. *Social Problems in the English Novel*. The attempt to use the novel in the cause of various reforms. Dickens, Charles Reade, Charles Kingsley, Macdonald, and other nineteenth century writers will be considered, also existing tendencies in the work of John Galsworthy, Mary E. Mann, Arnold Bennett, Mrs. Humphrey Ward, etc. Monday, Wednesday and Friday at 11. Miss Watson.

Three hours, both semesters.

52. *Living English Writers*. The Poets. Kipling, Meredith, Watson, Yeats, Stephen Phillips, Davidson, and others. Tuesday and Thursday at 8. Professor Howe. *Two hours, first semester.*

53. *Living English Writers*. Prose. The essay, drama, and novel will be examined. Tuesday and Thursday at 8. Professor Howe. *Two hours, second semester.*

54. *The Relation of English to Contemporary European Literature, during the last twenty-five years*. The drama. Professor Howe. (Not given in 1913-14.) *Two hours, first semester.*

55. *The Relation of English to Contemporary European Literature, during the last twenty-five years*. The novel. Professor Howe. (Not given in 1913-14.) *Two hours, second semester.*

(Courses 52-53, and 54-55 are given in alternate years. During 1913-14 the courses given will be 52-53.)

56. *Seminar in English Literature*. The course is preparatory to the writing of the thesis, and is required of all seniors and graduates taking a major in English Literature and intending to teach. Professor Howe. *Two hours, both semesters.*

57. *A Critical Study of Shakespeare and of His Critics*. A limited number of plays will be examined in the light of the critics. Courses 45 and 46 are prerequisite to this course. Professor Howe. *Three hours, both semesters.*

58. *Survey of English Critics*. A course intended to familiarize teachers with the epoch-making critical work in the literature. Open only to graduate students. Professor Howe. *Three hours, both semesters.*

59. *American Literature*. A study of American literary history up to about the year 1830. The Colonial, Revolutionary, and early Republican periods will be covered, and among the writers read and discussed, Franklin, Freneau, Brockden-Brown, Irving, Cooper, and Bryant. Open to freshmen. Tuesday and Thursday at 9. Miss Perkins. *Two hours, first semester.*

60. *American Literature*. From 1830 to the present time, Emerson, Whitman, Poe, Hawthorne, Lamier, and the New England poets, together with an historical and critical study of the different poetical and prose forms as they have appeared in American Literature. Tuesday and Thursday at 9. Miss Perkins. *Two hours, second semester.*

61. *The American Short Story*. A study of the development of the short story, as exemplified in Irving, Poe, Hawthorne, Bret Harte, Mark Twain, Howells, James, Joel Chandler Harris, Mary Wilkins Freeman and others. Not open to freshmen. Tuesday and Thursday at 10. Miss Perkins. *Two hours, second semester.*

62. *Essays in Literary Criticism*. A study of selected essays from modern English and American literary critics, including Wordsworth, Coleridge, Hazlitt, Lamb, Arnold, Pater, Lowell, Woodberry, and Paul Elmer More. Miss Burgess. *Two hours.*

63. *The Teaching of English*. Lectures and papers. Required of all seniors who expect to teach English. Professors Howe and Thurber. *One hour, both semesters.*

64. *Readings from English Literature*. A course in which the finest parts of the literature are read aloud by the instructor. The class meets three hours per week for one hour's credit, no outside preparation being required of the students. (Not given in 1913-14.) Professor Howe. *One hour, both semesters.*

65. (a) *The English Novel*. Its evolution and scope, from the Morte D'Arthur to the present, including a study (a) of the Elizabethan novelists Greene, Lodge, Nash, etc.; (b) of the Augustan novelists, Richardson, Fielding, etc.; (c) of the Georgian novelists, Scott, Jane Austen, The Tale of Terror, etc.; and (d) of the Victorian novelists, Dickens, Thackeray, etc. A lecture course, with collateral reading and papers by the class. Monday, Tuesday, and Friday at 10. Professor Howe. *Three hours, both semesters.*

65. (b) *The English Novel in the Nineteenth Century*. Typical works of Jane Austen, Scott, Dickens, Thackeray, Meredith, and Thomas Hardy are read in class, and an equal amount of outside reading assigned for report and examination. The course is accompanied by expository lectures. (Not given in 1913-14)

Three hours, both semesters.

66. *Emerson*. The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson on modern thought. Reading from *Essays*, *Representative Men* and *English Traits*. Tuesday and Thursday at 1. Miss Burgess.

Two hours, first semester.

67. *Representative Essays in Modern Thought*. The social theories of John Stuart Mill; the nineteenth century scientific writers: Darwin, Huxley, Spencer; also Arnold, Frederic Harrison, William James and others. Tuesday and Thursday at 1. Miss Burgess.

One hour, second semester.

68. *The West in American Literature*. Beginning with Cooper's *Pioneer*, Irving's *Astoria*, and Parkman's *Oregon Trail*, a tracing of the westward movement as recorded in literature. Eggleston, Riley, Mark Twain, Bret Harte, Joaquin Miller. Thursday at 10. Miss Burgess.

One hour, second semester.

69. *Principles of Appreciation*. This course will be devoted to a consideration of the best examples of literature and art, and will include practice in critical writing. Tuesday and Thursday at 2. Mrs. Parsons.

Two hours, both semesters.

70. *English Poetry*. The four volumes of poems selected and edited by Brouson will be used as a basis for a survey of the development, forms, and achievements of English poetry. Tuesday and Thursday at 10. Professor Howe.

Two hours, both semesters.

GEOLOGY.

PROFESSOR COLLIER.

MR. MITCHELL.

1. *Geology*. This course gives a general knowledge of Geology and is destined either for those in other courses who desire an outline of the subject, or as a basis for more advanced work by those who would specialize in Geology. Lectures, collateral reading and field excursions. Monday, Wednesday and Friday at 9.

Three hours, both semesters.

3. *Economic Geology.* The geology of the valuable mineral deposits, including their occurrence, associations and genesis. The course also considers the methods employed in prospecting and in the development of ore bodies, as well as the annual production and possible need of conservation of the various mineral resources. Prerequisites, Geology 1, and Chemistry 1. Monday, Wednesday and Friday at 8. *Three hours, both semesters.*

4. *Crystallography and Mineralogy.* A general study of minerals with a view to their identification and determination. The course first takes up the study of the crystal forms of the different systems; then the methods of identifying minerals by their physical properties, as presented in either Frazer's, Eakle's or Rodgers' Tables for the determination of minerals; and lastly, the blowpipe and other chemical tests. Prerequisites, Geology 1, and Chemistry 1. Tuesday and Thursday at 1. *Two hours, both semesters.*

5. *Petrology.* An introduction to the study of rocks, both by means of hand specimens and thin sections, following Pirsson's "Rocks and Rock Minerals." Prerequisite, Geology 4. One laboratory period and one lecture. Tuesday and Thursday at 8. *Two hours, first semester.*

6. *Field Geology.* The geological mapping of an assigned area. Prerequisite, Geology 1. Two laboratory periods. Saturday 8 to 12. A written report will be required in this course. *Two hours, second semester.*

7. *Paleontology.* A brief preliminary course. The University is fortunate in having the collection of fossils made by the late Professor Thomas Condon, which is especially rich in Mesozoic and Cenozoic materials. A more extended course is to be given later. Prerequisites, Geology 1, and Biology. *One hour, both semesters.*

8. *Advanced Geology.* A more thorough investigation of the principles of Geology than is possible in Geology 1, together with a study of the folios of the Geologic Atlas of the United States and other literature. Monday and Friday at 10. *Three hours, both semesters.*

10. *Physiography.* Present land forms; the forces and processes that have resulted in these forms; their effect on human

development. The interpretation of topographic maps with practice in contour sketching. Field excursions. Lectures Tuesday and Thursday at 9. Laboratory Tuesday at 10.

Three hours, second semester.

EQUIPMENT.

In the department of Geology the University of Oregon has a fine collection of illustrative material contained in the famous Condon "cabinet," which is well known to the older residents of the State. This cabinet is especially rich in fossil remains and represents the fruits of over forty years of continuous exploration in the Oregon country by its pioneer geologist. The remains of many extinct animals such as the mammoth, the mastodon and the three-toed horse, as well as the implements of prehistoric man, make this collection strictly characteristic of Oregon's own geological record.

The University is also well supplied with characteristic mineral and rock specimens, part of which were collected by Professor Condon and part acquired from other sources. For example, the plaster cast of the Willamette Meteorite was presented by Mr. A. S. Pattullo, of Portland, Oregon, and the Educational Series of Rocks was prepared by the United States Geological Survey. The museum is open to receive other specimens as gifts or loans, the University believing that such material is made of great service to the world at large if placed with some institution.

A large, light, fire-proof room especially designed for housing and displaying the valuable and steadily growing collection of specimens is one of the pressing needs of the University.

GERMANIC LANGUAGES AND LITERATURE.

PROFESSOR SCHMIDT. PROFESSOR THORSTENBERG. MR. O'DONNELL.
MISS KRAUSE. MISS NEUFELD.

The aim of the instruction in the department is primarily to enable students to use modern German with facility in reading, writing, and, as far as practicable, in speaking, and to acquaint them with the masterpieces in German literature. A number of courses are conducted entirely in German and students are encouraged to use German as the language of the classroom as much as possible.

Opportunity is also given for graduate courses in Germanic languages. These are intended especially for students who desire to make the teaching of these languages their profession, or who expect to take an advanced degree in them. Careful attention is given to the linguistic as well as to the literary training of the student, aiming at a comprehensive insight into the historical growth of the Germanic languages and literature.

The German Club (Verein Germania) is intended for students who are interested in conversation and lectures on German life and customs. From time to time programs are arranged to give students an insight into the musical and dramatic life of Germany. Students must have had several years of German before they are eligible to membership. Meetings take place twice a month.

Any of the following courses, German 1 to 12, are open to freshmen who have had the prerequisite courses:

I.

GERMAN LANGUAGE AND LITERATURE.

1. *Elementary German.* The elementary course comprises: Vos's Essentials of German (Henry Holt), and Huss's German Reader (D. C. Heath); German Composition, Translation of Easy Prose and Poetry. Special attention is paid to systematic training in pronunciation. The reading of about one hundred and seventy-five pages of graduated texts from a reader is required. Huss's German Reader is used. In addition to this three or four of the following selections will be read: Storm's Immensee, Heyse's L'Arrabbiatta, Volkmann's Kleine Geschichten, Maerchen and Erzählungen, Siedel's Maerchen, Zschokke's Der Zerbrochene Krug. Daily at 8, daily at 9, and at 11. *Five hours, both semesters.*

2. *Advanced German.* During the second year the work comprises advanced German Grammar and Composition, Syntax. German conversation (based upon Vos's Material, Manley's Ein Sommer in Deutschland; Bacon's Im Vaterland or some other method) throughout the year. Material to be read is selected from the following list: Heyse's Das Maedchen von Treppi; Baumbach's Die Nonna; Wildenbruch's Das edle Blut; Hillern's Hoeher als die Kirche; Seidel's Leberecht Huehnchen; Hauff's Das Kalte Herz;

Leander's Traeumereien; Freitag's Die Journalisten; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell, Goethe's Hermann and Dorothea. The class is expected to read two or three stories and two or three plays during the year. Two divisions, Monday, Tuesday, Thursday and Friday at 10 and 11.

Four hours, both semesters.

3. *Classical Drama.* (a) Goethe's Egmont, Torquato Tasso, Iphigenie auf Tauris; (b) Schiller's Maria Stuart, Jungfrau von Orleans, Wallenstein; (c) Lessing's Minna von Barnhelm, Emilia Galotti, Nathan der Weise; (d) Grillparzer's Sappho; (e) Kleist's Prinz Friedrich von Homburg. Writing of essays in German. Practice in writing German is afforded by means of dictation or similar exercises. Robert's Outlines of the History of German Literature (Putnam) will be used in connection with this course. Brief lectures in German based upon the above texts, are given once or twice a week in this course. Monday, Wednesday and Friday at 11.

Three hours both semesters.

4. *German Fiction and Contemporary Literature.* During the year some of the following works will be read: Ebner-Eschenbach's Die Freiherren von Gemperlein, Keller's Dietegen, or Kleider Machen Leute; Riehl's Novellen, for example, Burg Neideck, Der Fluch der Schoenheit; Der Stumme Ratsherr, Das Spielmannskind; Scheffel's Ekkehard; Wildenbruch's Der Letzte; Dahn's Sigwalt und Sigridh, Meyer's Gustav Adolph's Page; Sudermann's Der Katzensteg or Frau Sorge; and Auerbach's Brigitta, Frenssen's Joern Uhl, etc. Tuesday and Thursday at 11 and Monday at 2.

Three hours, both semesters.

This course alternates with course 18.

5. *Modern German Drama.* The following dramas will be read: Wildenbruch's Harold, Hauptmann's Die Versunkene Glocke; Sudermann's Johannes, or Heimat; Fulda's Der Tailsman or Das verlorene Paradies; Hebbel's Agnes Bernauer or Herodes und Mariamne; Gutzkow's Zopf und Schwert, Uriel Acosta, etc. Tuesday and Thursday at 11 and Monday at 2.

Three hours, both semesters.

6. (a) *German Poetry.* Goethe's Poems; Schiller's Ballads; Uhland's Poems; White's Heine's Poems; Klenze's Deutsche

Gedichte; Hatfield German Lyrics and Ballads, or Kluge's Auswahl Deutscher Gedichte will be used as text-book.

Two hours, one semester.

(b) *Poems and Epics.* Scheffel's *Trompeter von Saeckkingen*, Thomas Anthology, etc.

Two hours, one semester.

7. (a) *Goethe's Faust.* Part I, with commentary. Monday at 3 and Tuesday at 2.

Two hours, first semester.

(c) *Goethe's Faust.* Part II, with commentary.

Two hours, second semester.

8. *Heine's Prose.* Die Harzreise; Die Romantische Schule and other selections will be read. Monday at 3 and Tuesday at 2.

Two hours, second semester.

9. *Historical German.* This course consists of the rapid translation of modern historical and economic German. It is especially designed for those students who wish to acquire a sufficient knowledge of the language to enable them to read German books on history, philosophy, etc. The matter to be read is selected from such works as Riehl's *Kulturgeschichtliche Novellen*; von Sybel's *Kleine Historische Schriften*; Freytag's *Bilder aus der deutschen Vergangenheit* Seiler, die Heimat der Indogermanen, Schiller's *Geschichte des dreissigjaehrigen Krieges*, etc. Hours to be arranged.

Two hours, one semester.

10. *Scientific German.* This course is recommended to students who are taking or who plan to take special courses in Natural Science or in Medicine. Gore's, Dippold's or Brandt and Day's *German Science Reader* will be used as an introduction, and is followed by monographs on various subjects in order to give the student as large a vocabulary as possible. Among the books to be read are: Lassar-Cohn's *Die Chemie im taeglichen Leben*; Brewer's *Naturlehre*; Mueller's *die Electrischen Maschinen*; Helmholtz's *Ueber Goethe's Naturwissenschaftliche Arbeiten*. No student is allowed to take this course who has not had at least two years of thorough preparation in literary German. Hours to be arranged.

Two hours, one semester.

11. *Commercial German.* The purpose of this course is to make the student acquainted with the elements of commercial German and to widen his commercial vocabulary by means of reading texts

dealing with German business customs and institutions. The course is recommended to students who wish to devote some time to the study of German commercial correspondence, business forms, documents, newspaper articles and advertisements. Only those students who have had at least two years of German will be admitted to this course. The text to be used will be Kutner's Commercial German. Hours to be arranged. *Two hours, both semesters.*

12. *Teaching of Modern Languages, Especially German.* Discussion of methods and bibliographical questions, examination of texts. Open to seniors and special students who have not less than 20 hours' credit in German or French. Required of Students who wish to be recommended as teachers of German or French in the high schools of the State. Monday at 3 and Tuesday at 2.

Two hours, second semester.

13. *Advanced German Composition.* Poll's or Jagemann's Materials for Prose Composition. Tuesday and Thursday at 10.

Two hours, both semesters.

14. *German Conversation.* Open to all students who have had courses 1 and 2, and required of students who wish to teach German. Tuesday and Thursday at 1. *Two hours, both semesters.*

15. *General History of German Literature.* Max Koch's Deutsche Litteraturgeschichte is used as a text-book. A limited number of lectures are given. *One hour, both semesters.*

16. *German Culture and Civilization.* A course of illustrated lectures. The topics discussed deal with the customs, culture, history, geography, etc., of Germany. *Two hours, one semester.*

17. *Germanic Mythology.* Texts F. Kaufmann, Eugen Mogk, and Grimm. *One hour, one semester.*

18. *The Nineteenth Century Novel.* Freytag's Soll und Haben or Rittmeister von Alt-Rosen; Meyer's Juerg Jenatsch; Sudermann's Der Katzensteg; Frenssen's Joern Uhl; Storm's Der Schimmelreiter; Riehl's Kulturgeschichtliche Novellen; Paul Heyse's Das Glueck von Rothenburg; Scheffel's Ekkehard; Ludwig's Zwischen Himmel und Erde; Dahn's Ein Kampf um Rom. In addition to this, suitable selections from Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, and others will be assigned for outside reading. *Three hours, both semesters.*

FOR GRADUATES AND ADVANCED UNDERGRADUATES.

In so far as the demand will justify the formation of classes the department will offer the following courses:

20. *Middle High German.* Michels, *Mittelhochdeutsche Grammatik*, 1910; Henrici, *Proben der Dichtungen des Mittelalters*, Berlin, 1898; Selections from *Nibelungenlied*; Walter von der Vogelweide; Parzival; Lexer, *Mittelhochdeutsches Taschen-Woerterbuch*. Hours to be arranged. *Two hours, both semesters.*

21. *Old High German.* Braune's *Althochdeutsche Grammatik*, and the same author's *althochdeutsches Lesebuch* (4th edition); Muellenhoff and Scherer's *Denkmaeler Deutscher Poesie und Prosa* (3rd edition); Behaghel's *Historical Grammar of the German Language*.

22. *Gothic and the Elements of Comparative German Grammar.* Braune, *Gotische Grammatik*, 4. Auflage, Halle, 1895; Heyne's *Ulfilas*, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's *Urgermanische Grammatik*. This course is required for advanced degrees in English Philology.

23. *History of German Literature to the Nineteenth Century.* With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's *Geschichte der deutschen Literatur*, Franke's *History of German Literature* are used as text-books. Papers on assigned topics will be required.

24. *Physiological Phonetics.* The sounds of English, German, and French. Grandgent, *German, and English sounds* (Boston, Ginn & Co., 1892;); Ripmann's adaptation of Vietor's *Kleine Phonetik* (London, J. M. Dent & Co., 1899); Sweet, *A Primer of Phonetics* (Oxford, Clarendon Press, 1890); lectures. Each student will make a special study of his English vowels.

Two hours, both semesters.

II.

SCANDINAVIAN LANGUAGES AND LITERATURE.

PROFESSOR THORSTENBERG.

The courses in this department are designed to lay the basis for a practical reading knowledge of the Scandinavian languages; to familiarize the student with some of the principal works of rep-

representative modern Scandinavian writers; and to afford some insight into the life and culture of the Scandinavian peoples.

1. *Elementary Norwegian (Dano-Norwegian)*. Principles of the grammar and the reading of easy prose. The texts used comprise: Olson's *Norwegian Grammar and Reader* or Holvik's *Beginners' Book in Norse*; Bjoernson's *Synnoeve Solbakken*; Lie's *Fortaellinger*; Kielland's *Novelletter*.

Three hours, both semesters.

2. *Elementary Swedish*. Principles of the grammar and the reading of easy prose. The texts used comprise: Elmquist's *Swedish Grammar* or Vickner's *Swedish Grammar*; Lagerloef's *En Herrgardssaegen*; Geijerstam's *Mina Pojkar*; Nyblom's *Det Ringer*;

Three hours, both semesters.

3. *Scandinavian Literature* (conducted in English). Works of Bjoernson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerlef, Strindberg, etc., in standard translations, will be read and discussed. The course includes supplementary lectures on the history of the literature in general.

Two hours, both semesters.

In so far as the demand will justify the formation of classes, the following courses will be offered:

4 and 5. *Advanced Norwegian or Swedish*. Study of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation.

GREEK LANGUAGE AND LITERATURE.

PROFESSOR STRAUB.

Inasmuch as Greek is not taught in the high schools of this State, the University will offer first and second year Greek, which may count as college credits toward graduation.

Students who have had two or three years of Greek may enter the second semester of the third or fourth year respectively. Students may also enter 14 and 16 of the second semester.

1. *Elementary Greek*. Gleason's *Greek Primer*. Daily at 9.

Five hours, first semester.

2. *Xenophon's Anabasis*. (Harper and Wallace) Book I; Goodwin's *Greek Grammar*. Daily at 9. *Five hours, second semester.*

The aim of the first year is quality, not quantity. For this reason, the drill in Greek inflections and the common constructions

is made as thorough as possible. In addition, every effort is made to increase the student's vocabulary. The "Word List" in Harper and Wallace's *Anabasis* is an excellent help in this direction.

3. *Anabasis*, continued. Book I, III, and IV. Greek Grammar reviewed. Critical study of Greek prepositions. Daily translations from English to Greek. Text-books, in addition to those used in course 2: Pearson's Greek Prose Composition, and Adam's Greek Prepositions. 10 a. m.—Monday, Tuesday, Thursday and Friday.
Five hours, first semester.

4. *Homer's Iliad*. (Seymour) Books I to IV. Homeric language and verse (Seymour). Jebb's Homer. Study of "The Homeric Palace" (Isham). Daily exercises in Greek prose continued. Special attention will be given to Homeric forms. The custom of the Homeric Greeks will be carefully studied. 10 a. m.—Monday, Tuesday, Thursday and Friday.
Four hours, second semester.

5. *Hellenistic Greek*. One or two of the Gospels will be studied and the general principles of Hellenistic Greek noted. 1 p. m.—Tuesday, Wednesday, Thursday, and Friday.

6. *Hellenistic Greek*, continued. Selected portions of the New Testament. Selections from Septuagint will also be offered. 11 a. m.—Tuesday, Wednesday, Thursday, and Friday, 1 p. m.

Four hours, second semester.

(Courses 5 and 6 are intended chiefly for students who expect to prepare for the ministry, and are elective to other Greek students. Prerequisites: Courses 1 to 4, inclusive. Text-books: Wescott and Hort's Greek New Testament recommended. Conybeare and Stock's selections from the Septuagint [Ginn & Co.]

7. *Xenophan's Memorabilia*. Demosthenes' Phillippics. (Students will be required to read up the appropriate portions of the history of Greece, in order to study the above in their proper setting.)
Four hours, first semester.

8. *Lysias' Orations*. (Morgan's or Adam's) Selections from Herodotus. Advanced Greek prose composition. Study of Sanford's Three Thousand Classic Greek Word list.
Four hours, second semester.

9. *Selections from the Plays of Euripides*. Study of the Attic Theater (Haigh).
Three hours, first semester.

10. *Plato's Apology and Crito*. Croiset's Greek Literature.

Three hours, second semester.

11. *Selections from the Comedies of Aristophanes*. Study of the influence of comedy on Greek thought and temperament.

Three hours, first semester.

12. *Demosthenes' De Corona*. (Goodwin) Also suitable extracts from Aeschines' "Against Ctesephon." Study of Bredif's Life of Demosthenes.

Three hours, second semester.

GREEK-ENGLISH COURSE.

No Greek required. Open to all students.

The following four courses are offered to students who have not taken Greek. They will give a fairly good insight into the religion, habits, and life of that wonderful people, whose institutions and civilization still make themselves felt at the present time, and whose influence still strongly prevails in modern thought.

13. *Greek Mythology*. Text-book: (Gurber) Collateral reading: Bullfinche's Age of Fable. Informal talks. 2 p. m.—Mondays.

One hour, first semester.

14. *History of Greek Art*. (Tarbell) Greek Sculpture (Gardner). 2 p. m.—Mondays.

One hour, second semester.

15. *History of Greek Literature*. From Homer to Theocritus (Edward Capps). Homeric Society (Keller).

One or two hours, first semester.

16. *The Life of the Ancient Greeks*. (Gulick) The Ancient City (Coulages). The Attic Theater (Haigh).

One or two hours, second semester.

FOR GRADUATES AND ADVANCED UNDERGRADUATES.

17. *Pindar's Odes and Fragments*. Thucidides, Books IV to VI.

Two hours, first semester.

18. *Selections from Aristotle*.

Two hours, first semester.

19. *Homer's Iliad*. Books VI to XXIV, read with a view to the study of the civilization and customs of the Homeric Tirbes.

One hour, both semesters.

20. *Greek Epigraphy*. Text-book: Roberts'.

One hour, first semester.

21. *Greek Inscriptions*. Text-book: Hick's Manual of Greek Historical Inscriptions.

One hour, second semester.

HISTORY.

PROFESSOR SCHAFER.

PROFESSOR CLARK.

MR. O'HARA.

FUNCTIONS OF THE DEPARTMENT.

The Department of History, in its relations to the University, has two main functions: To train historians, and to provide the necessary historical basis in the training of those whose major interest lies in other departments like literature, law, politics, commerce, economics, art, and education. A third but subordinate function is to furnish what are usually called "cultural courses" for a considerable number of students majoring in scientific departments who nevertheless desire to secure the benefit of some contact in a broad way with the humanities.

COURSES OFFERED.

For all purposes, the department offers in the year 1914-15, a schedule embracing fifteen courses as against eleven courses last year and nine in the preceding year.

THE CONFERENCE METHOD OF INSTRUCTION.

The increase in number of courses this year is justified by the enlargement of the teaching force, which also makes possible the more general employment of the conference method of instruction. This means that the body of students reporting for History 1 or History 2 will be treated as a class for only certain purposes, especially for taking lectures and for discussing those main topics that constitute the landmarks of the course. But for outlining supplementary reading, for discussing significant points involved in it, for clearing up misconceptions concerning any portion of the work, and for deepening by special emphasis the impressions made upon the student's mind by facts and principles which should be held as fundamental, the class in some courses will be broken up into small groups, each containing five or six students. These groups confer once a week with the professors who study the special needs of individual students, prescribe matter for reading and modes of study adapted to each special case, and thus secure the best mental development of which the student may be capable.

CONFERENCE GROUPS REPRESENT LIFE INTERESTS.

The conference method facilitates the grouping of students according to their special interests and therefore the shaping of each student's supplementary reading to meet his peculiar needs. Thus a student preparing to teach history in high schools can read, with a few of his fellows, such matter connected with the course as may best serve to fit for his prospective work as teacher. Those preparing for law, politics, journalism, commerce or other life callings may likewise adapt their conference work to meet the requirements imposed by their special interests. Looked at from this viewpoint, and considering that it will be necessary for each professor to direct the work of a large number of conference groups, it will be seen that the range of subject matter covered is considerable.

SCHEDULE OF COURSES.

1. *Greece and Rome.* A survey of the development of the political and social life of the Greek people; a similar survey of Roman history to the death of Constantine. Monday, Wednesday, and Friday at 1. Open to freshmen. Mr. O'Hara.

Three hours, first semester.

2. *The middle Ages.* Exhaustion of the Imperial power in the West, the spread of Christianity, review of feudal society in its agricultural, political and military aspects, rise of the cities, commercial and industrial organizations, the universities. Monday, Wednesday, and Friday. Open to freshmen at 1. Mr. O'Hara.

Three hours, second semester.

3. *European History of the Past Century.* The historical background of the eighteenth century will be given as a prelude to a study of the social, economic, and political progress of the states of Europe, their international relations and colonial expansion during last hundred years. This course is designed for freshmen of proper qualifications, especially those majoring in history, economics, and political science, or who may be preparing for the study of law. Monday, Wednesday, and Friday, in two divisions at 9 and 1. Professor Clark.

Three hours, both semesters.

4. *English Constitutional History.* The purpose of the course is to exhibit the growth of the main features of the present Eng-

lish constitution. Recommended for students preparing for law. Tuesday and Thursday at 11. Mr. O'Hara.

Two hours, both semesters.

5. *Renaissance and Reformation.* (Not given in 1914-15.) Professor Clark.

Two hours, both semesters.

6. *American Diplomatic History.* A study of the foreign relations and development of foreign policy of the United States since 1789. Tuesday and Thursday at 9. Professor Clark.

Two hours, second semester.

7. *Political and Constitutional History of the United States.* Mr. O'Hara. (Not given in 1914-15.)

Two hours, both semesters.

8. *Social History of England.* A general survey of English History with emphasis on social conditions. Designed to be of special value as a preparation for the study of English literature. Monday, Wednesday, and Friday at 9. Open to freshmen. Mr. O'Hara.

Three hours, both semesters.

9. *The American Colonies.* The development of the political and social life of the colonies and the expansion of settlement to 1760. Tuesday and Thursday at 8. Mr. O'Hara.

Two hours, first semester.

10. *The American Revolution.* (Not given in 1914-15.) Professor Schafer.

Four hours, one semester.

11. *Recent History.* This course is intended to give some understanding of contemporary events and movements of significance with emphasis upon European and Asiatic problems and international politics. Tuesday and Thursday at 9. Professor Clark.

Two hours, first semester.

12. *Latin American History.* The conquest and occupation of America by Spanish and Portuguese. Colonial life and institutions, the wars of liberation, the political and institutional development of the twenty Latin-American Republics during the last hundred years, will be covered by this course. Monday, Wednesday and Friday at 8. Professor Clark.

Three hours, first semester.

13. *French Revolution.* A study of the conditions accountable for the revolution, followed by its social, political, and economic phases. Tuesday and Thursday at 11. Professor Clark.

Two hours, first semester.

14. *Napoleon I.* A study of the man and of his period. Tuesday and Thursday at 11. Professor Clark.

Two hours, second semester.

15. *The Great Historians.* The aim of this course is two-fold. On the one hand, it is intended to familiarize the student with the world's greatest writers of history, and to develop in him an appreciation of their works and a critical insight into the methods employed in producing them. On the other hand, it is a study of some of the most significant phases of world history through the great historians of ancient and modern times. For sophomores majoring in history and others who may elect it. Monday, Wednesday and Friday at 2. Professor Schafer.

Three hours, first semester.

16. *American Statesmanship and Statesmen.* A study of leadership as illustrated in the political life of the nation. The aim will be to analyze the careers of leading statesmen of each epoch, from the Revolution to the present, in such a manner as to discover, if possible, the secrets of their influence upon American public life. It will involve a concrete study of American political ideals, also a consideration of the political conditions which the statesmanship of each period reflects and the issues which it personifies. Monday, Wednesday, and Friday at 11. Professor Schafer.

Three hours, first semester.

17. *Seminary in Western History.* A detailed study largely from the sources of the building of civilization in the western portions of the United States, particularly the region west of the Rocky Mountains. For history seniors as an equivalent of the thesis requirement, and other advanced students. Monday, Tuesday, Wednesday, and Thursday at 2. Professor Schafer.

Four hours, second semester.

18. *Recent American History.* The aim in this course is to familiarize students with the great political, social, and economic problems and movements of the past forty years, since the close of the reconstruction era. Also to develop a true insight into American ideals of life. Monday, Wednesday, and Friday at 11. Professor Schafer.

Three hours, second semester.

19. *World Movements.* American phases. Professor Schafer. (Not given in 1914-15.)

Three hours, both semesters.

HISTORY OF ART.

Two courses are offered, each of which continues through the school year. The first includes Ancient and Mediaeval Art; the second, Modern Art. In addition to these, during the coming year two new courses will be offered, each running through one semester. The first will deal with the Home-sites, plan, construction, furnishings. In connection with furnishings, textiles will be considered. The second will take up Processes in Art—as printing, engraving, etching, lithography; also wood carving and metal work.

The University has a goodly number of standard books on architecture, sculpture, painting, and kindred topics, together with portfolios of prints and photographs. It is hoped that both slides and casts will soon be available. All courses open to both men and women.

1. *Ancient and Medieval Art.* Monday, Wednesday, and Friday at 9. *Three hours, both semesters.*

2. *Modern Art.* Monday, Wednesday, and Friday at 11. *Three hours, both semesters.*

3. *The Home.* Tuesday and Thursday at 10. *Two hours, first semester.*

4. *Processes in Art.* Tuesday and Thursday at 10. *Two hours, second semester.*

JOURNALISM.

PROFESSOR ALLEN.

PROFESSOR DYMENT.

PROFESSOR HOPE.

Preliminary English Course. The plans of the Department of Journalism call for the establishment by the Department of English of a special course in Freshmen English especially adapted for those who intend to take the courses in Journalism. When this course shall be outlined and placed upon the University schedule, Journalism I. will no longer be open to freshmen, who will be required to take the special preliminary Freshman English course in their first year as a prerequisite to taking Journalism I. in their sophomore year. At present, however, freshmen are allowed to take Journalism I. and their general Freshmen English course simultaneously.

Journalism I. "Sensing" the news, gathering the news, judging the news, writing the news. This course is intended to give the power to write a straightforward, clear, terse, accurate account of an actual occurrence, with the ability to comprehend and portray its striking, unusual, touching, or important "features" without resort in the slightest degree to "editorial" comment, or departure from concrete fact. The text-book is Bleyer's Newspaper Writing and Editing. Weekly lectures are given before this class by Oregon Editors. Much practical newswriting is required. Members serve at intervals as reporters on the Eugene Daily Guard, and Eugene Morning Register. Forty of the great newspapers in the United States come to the Department of Journalism daily, and frequently assignments are given which send the students to these for their material. Typewriters are furnished by the University and assignments must be typewritten. Mr. Allen. *Three hours, both semesters.*

Journalism II. An advanced course in Newswriting, handling much more difficult matter than class I, and requiring much more outside work gathering material for "write-ups" and news stories. Difficult controversial matter is assigned when possible, such as political difficulties, or a set of circumstances which are on the point of bringing about a law suit, and require judicious handling and tact in gathering the data. The general training of course I is continued, but more intensively, with more opportunity for personal conferences with the instructor and for individual criticism. Mr. Dymont. *Three hours, both semesters.*

Journalism III. Newspaper technique, organization, and management, and news editing and headline writing. Typography, design, advertising, proofreading, copyreading, general survey of typesetting, stereotyping, photoengraving, press work, and systems of circulation and financing. Work of managing editor, city editor, telegraph editor, make-up editor, librarian, sporting editor, society editor, and all branches above reporter and below editor-in-chief. News sources, "runs," news agencies and associations, correspondents, election news, and a study of the typical style-book and "don't list." This class is frequently placed in charge of class I to organize it for covering an election for one of the local papers, or for getting out a special number, with entire responsibility. Mr. Allen.

Three hours, both semesters.

Journalism IV. Newspaper policy, ethics, the psychology of public opinion, combined with Practice in editorial writing. Advanced course, not open to underclassmen. A study is made of the leading papers of the United States and Europe, of which the department receives all the most important. Censorship, suppression, political support, bias and color, sensation, industrial and financial entanglements, the advertiser and the news, and social and economic reform are considered under "policy and ethics" while editorial writing includes the upbuilding and the use of newspaper prestige and personality, the principles of persuasion, the effect of assertion, repetition, prestige, contagion, etc., besides logical force. History of selected great newspapers and biographies of great editors. This is the culminating course of the series and aims to send out the graduate with a full appreciation of the newspaper's immense power for good or evil. The public obligations of the newspaper editor and writer are emphasized, and the student is urged and assisted to analyze and understand his own social ideals and aspirations, in order to make him more effective as a power for good, and to make possible for him a deeper and broader consistency. Mr. Allen.

Two hours, both semesters.

Journalism V. The Law of the Press. A course of lectures by a lawyer upon the law of libel, literary property including copyright, privileged communications, federal regulation of the press through postoffice orders, blackmail, and other phases of the law of special importance to newspapermen. Dr. Hope.

One hour, one semester.

Journalism VI and VII.—Copyreading. Two laboratory sections receiving training in the preparation of copy for the printer. Telegraph copy is supplied daily by the United Press, while students in courses I and VIII furnish a constant flow of local items covering the news of Eugene. The output of this class is actually published through several different mediums. This course is intended to prepare the student for "desk work" on a newspaper. Mr. Allen and Mr. Dymont.

Four hours, both semesters.

Journalism VIII.—Practical Work in the Gathering of News. A laboratory course conducted in connection with Journalism I. The news of Eugene is covered as if for a daily paper. Mr. Allen and Mr. Dymont.

Two hours, both semesters.

Journalism IX. Current Events. Students in this course keep in close touch with the news episodes of the State, the nation and the world. Where the news involves a movement of lasting political, social or other historical importance, magazine and library reading is prescribed so the students may acquire an adequate appreciation of its social, geographical, historical, economic and human aspects. Articles written in news style are required on these news episodes, and students must judge news values and determine methods of "playing" the stories in a newspaper. This course is limited to third and fourth year students. Mr. Dymont.

One hour, both semesters.

Journalism X. Advertising. For the first two years of the existence of the department of Journalism, the principles of advertising have been taught as an integral part of Course III. The increasing importance of this work now demands the establishment of a separate course, and for the year 1914-1915 the plan is to offer a weekly lecture course supplemented by practice work. This will be in charge of a professional advertising man, and at a later time the course is to be annexed to the School of Commerce.

One hour, both semesters.

Journalism XI. Major Conference. All students who enter the University for the express purpose of preparing for newspaper and magazine work and who register in the department of Journalism, are required to attend the major conference at 10 o'clock each Thursday morning. At this time matters of strictly professional interest are discussed. The major conference is distinct from the departmental conference. The latter is held on Friday, is attended by all students in all journalism courses, and is usually addressed by a speaker not connected with the University. Mr. Allen and Mr. Dymont.

One hour, both semesters.

LATIN LANGUAGE AND LITERATURE.

PROFESSOR DUNN.

COURSES PRIMARILY FOR UNDERGRADUATES.

Pursuant to the recent revisions made in the requirements for admission, with the opening of the session of 1914-15, classes will be formed in each of the first four years of Latin, to accommodate students who may enter without any language units. These courses,

two in succession each year and numbered by semesters, are based upon the recommendations of the Commission of Fifteen. They are, therefore, preliminary to courses 11-18, which are concerned with titles more generally recognized as distinctly College Latin.

1. *Smith's First Year Book*. Tuesday, Wednesday, Thursday, and Friday at 8. *Five hours, first semester.*

2. *Ritchie's Fabulae Faciles*. Monday, Tuesday, Wednesday, Thursday, and Friday at 8. *Five hours, second semester.*

3. *Caesar's Gallic War, Books I-IV, or Selections*. Selections from Eutropius. Dodge & Tuttle's Latin Prose Composition. Monday, Tuesday, Thursday, and Friday at 9. *Four hours, first semester.*

4. *Caesar's Civil War, Selections*. Selected Lives of Nepos. Prose composition continued. Monday, Tuesday, Thursday, and Friday at 9. *Four hours, second semester.*

5. *Selected Orations of Cicero*. Sallust's Catilina. Nutting's Supplementary Latin Composition. Monday, Tuesday, Thursday, and Friday at 10. *Four hours, first semester.*

6. *Selected Letters of Cicero*. Selections from Aulus Gellius. Prose composition continued. Monday, Tuesday, Thursday, and Friday at 10. *Four hours, second semester.*

7. *Virgil's Aeneid, Books I-VI, or Selections*. Ovid's Metamorphoses, selections. Monday, Tuesday, Wednesday, and Thursday at 1. *Four hours, first semester.*

8. *Virgil's Aeneid, continued*. Fables of Phaedrus. Monday, Tuesday, Wednesday and Thursday at 1. *Four hours, second semester.*

9. *The Private Life of the Romans*. Lectures with the aid of the stereopticon; readings and reports. Monday, Wednesday, and Friday at 9. *Three hours, first semester.*

10. *Roman Literature*. Lectures, with the aid of the stereopticon; readings and reports. Monday, Wednesday, and Friday at 9. *Three hours, second semester.*

11. *Cicero's De Amicitia*. Virgil's Eclogues; the Captivi of Plautus; selections from Catullus. Monday, Wednesday, and Friday at 8. *Three hours, first semester.*

12. *Selections from Horace's Odes and Epodes.* Sallust's *Jugurtha*; selections from Tibullus and Propertius. Monday, Wednesday, and Friday at 8. *Three hours, second semester.*

13. *Selections from Horace's Satires and Epistles.* Livy, Book V; Ovid's *Tristia*, Books I and III. Monday, Wednesday, and Friday at 1. *Three hours, first semester.*

14. *Terence's Andria*; Tacitus *Agricola*; selections from Pliny's *Letters*; selections from Martial's *Epigrams*. Monday, Wednesday, and Friday at 1. *Three hours, second semester.*

15. *Roman Law and Public Life.* Tuesday and Thursday at 9. *Two hours, first semester.*

This course will be based upon the text of selected orations of Cicero as a point of departure for the discussion of Roman political life and the investigation of certain periods in Roman history at first hand.

16. *The Roman Historians.* Tuesday and Thursday at 9. *Two hours, second semester.*

Selected epochs in Livy and Tacitus will be read for purposes of comparison and will serve as a nucleus around which to group a discussion of the methods of Roman historians and a running review of the historians themselves from the annalists to the *Scriptores Historiae Augustae*.

17. *Roman Literary Criticism.* Tuesday and Thursday at 11. *Two hours, first semester.*

This course provides a rapid comparison of four of the great classic treatises on literary criticism—Cicero's *Brutus*, Horace's *De Arte Poetica*, Quintilian's Book X of the *Institutiones*, and Tacitus' *Dialogus*.

18. *Roman Philosophy.* Tuesday and Thursday at 11. *Two hours, second semester.*

Lectures covering the chief systems of doctrine prevailing among the Romans of the Classic Period will alternate with readings from Cicero's *De Officiis* and the best portions of Lucretius.

COURSES PRIMARILY FOR GRADUATES.

The courses following herewith are designed for advanced students, but are open to undergraduates who, after due conference

with the instructor, can give evidence of their fitness to satisfy the requirements of the courses. These courses are given usually in alternate years.

19. *History of Latin Literature.* Part I (poetry). Lectures and reading. *Three hours, both semesters.*

20. *History of Latin Literature.* Part II (prose). Lectures and reading. *Three hours, both semesters.*

21. *Ovid.* The Fasti, Roman Religion, and Religious Archaeology of Rome. *Two hours, first semester.*

22. *Ovid.* The Metamorphoses and Classic Mythology. *Two hours, second semester.*

23. *The Corpus Caesarianum.* The Gallic War. Lectures and reading. *Two hours, first semester.*

24. *The Corpus Caesarianum.* The Civil War and Libri Incertorum Auctorum. Lectures and reading. *Two hours, second semester.*

25. *Topography of Rome.* Lectures and Investigation. *Two hours, both semesters.*

Lectures, assisted by maps, pictures and other available material, will illustrate in chronological order the monumental growth of Rome from prehistoric times to the fall of the Western Empire. Theses on suggested topics will be required at stated intervals.

26. *The Reign of Trajan.* *Two hours, first semester.*

Trajan's reign will be studied from every possible standpoint—from Pliny's Letters, from inscriptions and from monumental remains.

Course 37 provides advanced composition drill, particularly for those who have had four years of Latin. Sustained narrative and occasional unseen passages from the basis of translation.

28. *Our Inheritance from the Graeco-Roman Civilization.* Stereopticon lectures with required readings and reports. Wednesday at 4. *One hour, both semesters.*

MATHEMATICS.

PROFESSOR DECOU.

PROFESSOR SMITH.

ASSISTANT PROFESSOR WINGER.

MR. KEMPTHORNE.

The instruction in Mathematics is designed to secure three objects: First, high mental discipline for the general student through the study of an exact science; second, a thorough understanding of those subjects which form the foundation of most of the natural and applied sciences, such as physics, astronomy, and the engineering sciences; third, the thorough preparation of teachers of high school mathematics.

Courses 1 and 3 are designed for students in literary courses who desire to secure a good foundation for their work in the sciences, and for those who expect to teach mathematics in conjunction with other high school subjects.

The courses fundamental to engineers are as follows: Freshman year, course 2; sophomore year, course 4; junior year, course 17. These courses are recommended also to students who intend to make mathematics their major.

A number of fundamental elective courses are offered to the advanced student; they are so arranged as to give breadth and symmetry to his knowledge of mathematics and prepare him, if he so desires, to pursue graduate study profitably.

Graduate courses will be arranged to suit the needs of those applying for them.

Freshmen, entering the second semester, may take courses 1, 2, and 6, if sufficiently prepared.

GENERAL COURSES.

1. (a) *Advanced Algebra*. An elementary course. Open to freshmen. Tuesday, Thursday, and Friday at 10 a. m.

Three hours, repeated each semester.

1. (b) *Plane Trigonometry*. An elementary course. Open to freshmen. Tuesday, Thursday, and Friday.

Three hours, second semester.

1. (c) *The Mathematical Theory of Investment*. An elementary treatment of the principles involved in interest, annuities,

valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Open to freshmen and others who have taken Course 1 (a) in Advanced Algebra. *Three hours, second semester.*

2. *Advanced Algebra, Trigonometry and Analytical Geometry.* An introductory course. Required of freshmen in Engineering. Open to freshmen. Daily at 8, 9, and 11 a. m.

Five hours, both semesters.

3. *Analytical Geometry and Calculus.* An introductory course for literary and general scientific students. Prerequisite, Course 1. Open to freshmen who have had the equivalent of Course 1. Tuesday, Thursday, and Friday at 10 a. m.

Three hours, both semesters.

4. *Differential and Integral Calculus.* This course includes the development of the fundamental principles and formulas of Differential and Integral Calculus; their applications to expansion of functions, indeterminate forms, the determination of the various properties of plane curves, maxima and minima, areas and length of curves, areas and volumes of surfaces, hyperbolic functions, etc. Prerequisite, Course 2. Required of sophomores in engineering courses. Elective for others. Daily at 9 and 11 a. m.

Five hours, both semesters.

5. *Graphical Methods.* A course dealing with short graphical methods of curve tracing, integration, differentiation, etc., including the theory and use of the slide rule. Hour to be arranged.

One hour, second semester.

6. *Advanced Algebra and Spherical Trigonometry.* A continuation of the Advanced Algebra of Courses 1 and 2, together with an introduction to spherical trigonometry. Hours to be arranged.

Two hours, one semester.

7. *History of Mathematics.* A brief survey of the most important developments of the subject. Tuesday at 8 a. m.

One hour, second semester.

8. *Teaching of Mathematics.* Dealing largely with the teaching of mathematics in secondary schools and treated from the historical standpoint. Tuesday at 8 a. m.

One hour, first semester.

ADVANCED AND GRADUATE COURSES.

9. *Differential Equations.* A practical course in the theory of ordinary and partial differential equations and their solutions. Prerequisites, Courses 2 and 4. Tuesday and Thursday at 11 a. m.
Two hours, both semesters.

10. *Higher Algebra.* A more advanced and rigorous treatment of the topics of the preceding courses, together with the addition of many new topics. Monday, Wednesday, and Friday at 11 a. m.
Three hours, one semester.

11. *Determinants and Theory of Equations.* An elementary but very important course, giving the essential principles required in various advanced studies. Text: Burnside and Panton. Monday, Wednesday, and Friday at 11 a. m.
Three hours, one semester.

12. *Solid Analytical Geometry.* An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Text-book: Rudio's Solid Geometry. Hours to be arranged.
Three hours, one semester.

13. *Advanced Integral Calculus.* Including definite integrals, Fourier series, elements of elliptic integrals and functions. Prerequisite, Course 4. Hours to be arranged.
Three hours, both semesters.

14. *Theory of Functions of a Complex Variable.* Hours to be arranged.
Three hours, one semester.

15. *Analytical Trigonometry.* Hours to be arranged.
Three hours, one semester.

16. *Projective Geometry.* Hours to be arranged.
Three hours, one semester.

17. *Analytical Mechanics.* An elementary course dealing with the principles and application of statics, kinematics, and kinetics. Prerequisite, Course 4. Required of juniors in Engineering courses. Tuesday, Thursday, and Friday at 10 a. m.
Three hours, both semesters.

18. *Differential Geometry.* Introductory course based on Eishart's Differential Geometry. Prerequisite, Course 4.
Two hours, both semesters.

GRADUATE COURSES.

On application, courses will be provided for graduates and others of sufficient mathematical maturity and training, in the following subjects: Modern Analytical Geometry, Elliptic Functions, Substitution Groups, and the Theory of Numbers.

EQUIPMENT.

The department is provided with a well-selected library of the best American and foreign works, in addition to a large collection of elementary texts for pedagogical purposes. It has a complete file of the American mathematical journals and receives regularly the current numbers of these journals and some foreign ones.

A collection of the famous Brill models, made in Germany, is an important adjunct to the work in geometry. Included in this collection are plaster models of ellipsoids, hyperboloids of one and two sheets, elliptic and hyperbolic paraboloids, on which are shown the geodetic lines, lines of curvature, circular, and principal sections, etc.; also wire and thread models, illustrating ruled surfaces and generating lines of conicoids. A spherical blackboard, three feet in diameter, blackboard apparatus for use in geometrical constructions, and numerous models and drawings constructed by the students add materially to the equipment. A complete set of mensuration blocks and models is used in the study of geometry teaching.

ASTRONOMY.

1. *General Astronomy.* A course embracing a brief historical sketch of the science, the fundamental principles, with such problems as yield to elementary methods of treatment, and an exposition of the more important facts known in reference to the bodies of the solar system, the stars, star clusters, and nebulae, tides as cosmogonic agencies, and a comprehensive account of the Nebular Hypothesis. Observatory work will be carried on as the weather permits. Hours to be arranged. *Two hours, second semester.*

2. *Practical Astronomy.* A course embracing the fundamental problems of practical astronomy such as the determination of time, latitude, longitude, and azimuth. Special emphasis is laid upon the determination of these problems with those instruments

which an engineer is likely to have in the field. The theory and application of least squares is developed in connection with the computations. Hours to be arranged. *Two hours, one semester.*

PHILOSOPHY.

PROFESSOR REBEC.

1. *Introduction to Philosophy.* The sum of this course will be less the opening up of the traditional, technical fields of philosophy, than the forming of a habit of philosophizing. Accordingly, the method of procedure will be mainly by Socratic question and free discussion. Students are, in general, advised to begin their work in philosophy with this course and should not take it before the second semester of their sophomore year. Monday at 3, and Wednesday at 9. *Two hours, second semester.*

2. *History of Philosophy, Ancient and Medieval.* An attempt to trace the central stream of philosophic thought from its beginnings in ancient Greece down to its emergence as Modern Philosophy. Lectures and text-book. Monday at 2, and Wednesday at 11. *Two hours, first semester.*

3. *History of Philosophy, Modern.* A continuation of Course II. Monday at 2, and Wednesday at 11. *Two hours, second semester.*

4. *Ethics.* A brief survey of historic types of ethical theory and practical morality, followed by discussion of actual ethical problems. Monday at 3, and Wednesday at 9. *Two hours, first semester.*

5. *Special Aesthetics.* The evolution of the European aesthetics consciousness, especially as recorded in the supreme masterpieces of literature, from Homer to the Nineteenth Century. Each member of the class is required to produce a paper, based on a special study, from the point of view of the purposes of the course, of some relevant piece of great literature, preferably in a field with which he is already familiar, and in consultation with the Professors of the Department in which the piece of literature falls. Lectures, papers, discussions. Properly a senior course. Tuesday at 2, and 4. *Two hours, first semester.*

6. *Present-Day Thought.* With special reference to the philosophies of James, Eucken, and Bergson. Readings and discussions. To be conducted on the "seminar" method. A senior course. Tuesday at 2, and 4. *Two hours, second semester.*

PHYSICAL EDUCATION—WOMEN.

DR. STUART.

MISS THOMPSON.

MISS GOLDSMITH.

Physical education is treated as a part of college work. Three hours a week in the gymnasium classes are required of all girls during the Freshman and Sophomore years.

The department is conducted upon scientific principles. Its aim is hygienic, educative, and recreative. It attempts to aid the normal functioning of the organs of the body; to improve muscular development; to correct abnormalities, and to supply recreation.

The Women's Athletic Association of the University of Oregon is an organization open to all women of the University. Its purpose is to arouse interest in outdoor sports and games that a more physically efficient woman may be developed.

Because of the many requests for assistance in work of this nature from high school teachers throughout the State, it is planned to invite every high school in Oregon to form a Girls' Athletic Association which shall be a branch of the University organization. This shall be called the "Oregon Trail Girls." A mass meeting will be held at Eugene every spring in which each school shall be given an opportunity to demonstrate the work of the year.

The women's gymnasium is a brick building containing on the first floor, the gymnasium proper with a floor space of 40x85 feet; the office of the director; a small laboratory with all apparatus necessary for making blood, sputum, and bacteriological examinations; and a room equipped with apparatus for corrective gymnastic work—work adapted to the individual needs of girls physically unable to undertake the general class work. The basement contains two rooms, the larger of which is fitted up with 260 steel lockers, 35 dressing rooms, and 35 shower baths. The smaller is used for an examining room and anthropometry. Before beginning gymnasium work each girl receives a thorough physical

examination by the director, a physician, and work is assigned accordingly. Especial attention is given to the correction of incorrect posture and any abnormal condition which can be benefited by intelligent exercise.

Owing to the necessity of having uniform gymnasium suits, they should not be purchased before entering college. If necessary to do this, communication should first be made with the director in regard to material and style required. A short, light-weight skirt and "middy" blouse should be provided for outdoor work.

PRACTICAL COURSES.

1. *General Gymnastics.* The exercises for the first year are based upon the Swedish system of gymnastics, and have for their object an "all around" development. This necessitates a correct posture; a certain amount of muscular development; power of co-ordination and the proper functioning of the vital organs of respiration, circulation, and nutrition.

In the fall and spring months out-of-door sports, tennis, golf, canoeing, baseball, and archery are taught.

2. *General Gymnastics.* Continuation of Course 1. Supplemented by drills with light apparatus, wands, dumb bells, clubs, fancy steps, dances, and military marching. Required of all sophomores.

3. *Special Corrective Exercises.* Individual exercises given to those students who for physical reasons are unable to take the regular class work; or who have defects which can be corrected or improved.

4. *General Gymnastics.* A continuation of Courses 1 and 2; consisting of more advanced work along the same lines. Open to all who have completed Courses 1 and 2.

5. *Gymnastic Dancing.* Beginning work in gymnastic dancing; Gilbert dances; aesthetic dances; folk dances and couple dances. It develops grace and ease of movement and carriage and considerable amount of endurance.

6. *Advanced Gymnastic Dancing.* Advanced class in gymnastic dancing. Open to all who have completed Course 5.

7. *Personal Hygiene.* This course is required of all first-year women. It is a study of the means of preserving and improving

the health; it takes up dietetics, clothing, breathing, ventilation, prevention of ordinary disease, tuberculosis and typhoid fever, the anatomy, physiology and hygiene of the pelvic organs.

One hour, two semesters.

THEORETICAL COURSES.

Students majoring in Department of Education may take their major work in the Department of Physical Training. Such students must take courses prescribed below and in addition five hours per week for four years of practical gymnastic work.

Students majoring in other departments may take their minor work in Physical Training. They must complete a minimum of 12 semester hours of theoretical work in the Department of Physical Training, and must take five hours per week for four years of the practical gymnasium work. (Courses 1, 2, 3, 4, 5, 6.)

8. *Theory of Physical Training.* Study of the fundamental principles underlying the various systems of gymnastics; the principles governing the selection and classification of exercises; the physiology of exercises dealing with the causes of muscular over-work, breathlessness, fatigue, exhaustion and chronic muscular over-work, and the physiology of exercises of strength, speed-endurance, and skill. The various groups of exercises in Swedish Day's Order are analyzed and the progression of exercises studied. Practice lessons for the gymnasium and school room. Prerequisite, Physiology 1. Reference books: LeGrange, Physiology of Exercise; Posse, Special Kinesiology and Educational Gymnastics.

Two hours, first semester.

9. *Kinesiology.* The analysis of exercises and the mechanism of movement, to determine the effectiveness of the different forms of gymnastic work in regard to posture and motor education. The joints and muscles of the shoulder, girdle, spine, pelvis, and extremities are discussed and effects of exercises noted. Prerequisites: Course 2 and Applied Anatomy. Text-book: Skarstrom "Gymnastic Kinesiology."

Three hours, second semester.

10. *Applied Anatomy.* Study of the frame-work of the body; the principal muscle groups; and the muscles in the performance of exercises. Prerequisite, Botany, Zoology.

Three hours, first semester.

11. *Human Anatomy*. This course comprises a study of the organs of the body and their structure and function; the principal blood vessels and nerves. Nancrede's Text-book: *Essentials of Anatomy*. Lectures and demonstrations. Prerequisites: Botany, Zoology, Applied Anatomy. *Three hours, second semester.*

12. *Anthropometry*. Instruction and practice in taking physical measurements; a study of the vibrations from the normal types of the human body; and the bearing of family and previous personal history upon the present condition of individuals. Prerequisites: Applied Anatomy, Human Anatomy, Text-book: Seaver—*Anthropometry*. *Two hours, second semester.*

13. *Emergencies and Bandaging*. Cause, nature and treatment of wounds, bruises, sprains, fractures, faints, shocks, etc., bandaging, dressing, antiseptics and disinfectants. Lectures and demonstrations. Reference book: Wharton's *Minor Surgery*. *One hour, first semester.*

14. *Theory of Corrective Gymnastics*. Lectures, demonstrations and assigned readings on the application of exercises and massage to correct such deformities as lateral curvature of the spine; round shoulders, flat-foot, and all postural deformities, and the effect of special exercises upon digestive troubles; disorders of the circulation; nervous diseases; obesity, etc. Study is made of the technique and effect of massage and practice given in acquiring technique. Prerequisites: Human Anatomy, Applied Anatomy, Bacteriology, Physiology, Anthropometry, Emergencies. Reference books: Wilde's *Medical Gymnastics*; Mitchell's *Mechano Therapy*; Kelgren's *Manual of Treatment*; Posse's *Manual of Medical Gymnastics*. *Two hours, two semesters.*

15. *Clinic and Corrective Gymnastics*. Students will assist in treating patients. Five hours per week, three hours' credit.

Three hours, two semesters.

Credit will be given for these courses only on completion of a year's work.

16. *Theory of Play and Playgrounds*. A study of play from the standpoint of its influence as a social and educational force. A history of the playground movement; the organization of play-

grounds; equipment, apparatus, supervision, play-leaders, etc. Prerequisites: General Psychology, Sociology, Genetic Psychology.

Three hours, one semester.

17. *Methodology of Gymnastics.* Practice work in the University gymnasium and in the high school of the city. Prerequisites: Courses 3, 4, 7 in Education, and Courses 8, 9, 14, 16 in Physical Training. Given both semesters. *Five hours, one semester.*

LOCKER FEE.

A locker fee of \$2.00 a year, payable at time of registration, is charged all girls taking the required gymnasium work. Girls who have completed the required gymnasium work may have the use of the baths on the payment of \$1.00 per year.

Girls wishing to use the swimming tank must purchase a bath ticket, \$1.00 per year.

PHYSICAL EDUCATION—MEN.

MR. HAYWARD.

MR. BEZDEK.

MR. SHOCKLEY.

Three hours a week in the gymnasium classes are required of all students during the freshman and sophomore years.

The new gymnasium is fitted with all modern gymnastic apparatus. The main hall is 59x106 feet, with a 26-foot ceiling. On the same floor is the office of the director, a room for anthropometry, and a tube hand-ball court 20x20x50 feet; there is also a gallery for spectators with a seating capacity of 450. Eight feet above the gallery is a 16-lap cork running track nine feet wide. The basement is fitted up with steel lockers, shower baths, and a swimming pool 30x60 feet, with a gradual slope from three and one-half to nine feet in depth.

The department is conducted upon scientific principles. Its aim is both hygienic and educative. It attempts to aid functions and develop form, as well as to correct undeveloped and deformed parts, and supply recreation. It also aims especially to assist the student toward perfect nervous control, and by exercise of precision and skill to train nerve centers and muscles to act quickly and accurately in response to the will; and to produce mental and moral self-control.

Every effort is made to encourage outdoor sports, and the director devotes a considerable time, when the season is suitable to directing outdoor exercises, such as golf, tennis, and athletics of all kinds.

The students maintain an athletic association which promotes outdoor athletics. They are also permitted by the faculty to participate in intercollegiate sports. In these games the University is represented by a football eleven, a baseball nine, a track athletic team, a tennis club, and a basketball team. Secondary class and interfraternity teams are formed to give the University teams practice, and in order to touch as many students as possible.

Physical examinations are made, and the director will be ready to examine students at any convenient time. Students may take the physical examination and have their exercises prescribed or may enter one of the regular classes.

COURSES FOR TEACHERS.

There is a widespread demand all over Oregon for men who are capable of taking charge of high school athletics in addition to teaching their regular subjects. Men who are prepared to take these positions command salaries ranging from \$10 to \$20 per month more than those usually paid. In order to prepare instructors who are capable of teaching athletics, the Department of Physical Education has arranged to give a number of theoretical courses, the completion of which will put a man who is ordinarily familiar with athletics in a position to teach them scientifically. The following courses are offered:

1. *Personal Hygiene. One hour, two semesters.*
2. *Theory and Coaching of High School Sports. Two hours, both semesters.*

PHYSICS.

PROFESSOR BOYNTON.

DR. CASWELL.

Course 1-2 is the most elementary course offered by the department. It is open to all students, whether they have had a previous course in Physics in the high school or not, but the assignment of experiments in the laboratory is varied according to the previous preparation of the student. This course can be taken either for college credit or to remove a matriculation deficiency in Science.

Courses 3 and 4 constitute a year's work in College Physics, presupposing a year of high school Physics. They are required of pre-medical students. When supplemented by course 11 they form a well rounded course in General Physics, meeting the requirements of the most exacting medical schools such as that of Johns Hopkins University.

Prospective teachers of high school Physics wishing the recommendation of the department should take at least 15 semester hours of work in the department, including courses 3, 4, 11, 15, 16, and 20.

All the courses of the Introductory group and perhaps half of those of the Intermediate group are given every year; the balance of the Intermediate courses and those of the Advanced group are given, often in cycles, according to the demand.

A deposit of \$5.00 is required for each laboratory course each semester. The usual expense, aside from special charges for unusual breakage or articles lost or taken from the laboratory, is at the rate of \$2.50 for each semester hour of credit.

INTRODUCTORY COURSES.

1, 2. *Essentials of Physics.* A general non-mathematical course, open to all students at the beginning of each semester. This course includes lectures, recitations and one laboratory period per week. Tuesday and Thursday at 10. Laboratory one afternoon, 1 to 4.

Three hours, both semesters.

3. *General Physics.* Simple measurements, the mechanics of fluids, molecular physics, heat and sound. Intended for students who have had a high school course in Physics, or course 1-2. Should be taken either in freshman or sophomore year. Three recitations and one (or two) laboratory periods. Two recitation sections: Monday, Wednesday and Friday at 9 and 11. Laboratory one (or two) afternoons, 1 to 4. *Four (or five) hours, first semester.*

4. *General Physics.* A continuation of 3, taking up the topics of magnetism, electricity and light. The same hours and days.

Four (or five) hours, second semester.

5, 6. *General Laboratory.* Laboratory work not included in other courses. Hours to be arranged.

INTERMEDIATE COURSES.

11. *Elementary Mechanics.* Supplementary to courses 3 and 4, taking up the mechanics of particles and rigid bodies, including rotary and accelerated motions, elasticity, and some portions of the mechanics of liquids. Two recitations and one three-hour period devoted either to laboratory or to problems.

Three hours, first semester.

12. *Advanced Mechanics.* A continuation of course 11, taking up some problems of greater difficulty. The same hours and days.

Three hours, second semester.

13. *Electrical Measurements.* Prerequisite, Physics 1 and 2, or 3 and 4, and Mathematics 2 or 3. Laboratory and lectures, mainly on direct currents, including a study of standards, the calibration of commercial instruments by the potentiometer, and the measurement of capacities and self-inductances. Lecture Thursday at 11, laboratory Tuesday, 1 to 4.

Two hours, first semester.

14. *Electrical Measurements.* A continuation of course 13, taking up the measurement of mutual inductances, the intensity and distribution of illumination and efficiency of incandescent lamps, the magnetic properties of iron, and an introduction to alternating current theory and measurement.

Two hours, second semester.

15. *History of Physics.* A brief survey of the most important developments of the subject. Thursday at 8.

One hour, first semester.

16. *Teaching of Physics.* Dealing largely with the teaching of Physics in secondary schools, and treated largely from the historical standpoint. Thursday at 8. *One hour, second semester.*

17. *Electricity and Matter.* Lectures, assigned readings and laboratory on cathode and canal rays, Roentgen rays, ionization of gases, photo-electric effect, radio-activity and similar topics. Prerequisites, Courses 1 and 2, or 3 and 4, and some familiarity with Elementary Chemistry. Two lectures and one laboratory period. Hours to be arranged. *Three hours, first semester.*

18. *Sound.* A more extended treatment than that given in the general courses, intended especially for students of Music.

Text-book, experimental lectures, and a very complete collection of lantern slides. Considerable attention is given to the scientific basis of harmony and music,* and to the Physics of musical instruments. Hours to be arranged. *Two hours, second semester.*

19. *Meteorology.* A study of the Physics of the Atmosphere, including the use of meteorological instruments, the study of air and ocean currents, the distribution of temperature and moisture, the study of weather reports and maps, and some practice in forecasting. *Three hours, first semester.*

20. *Physical Technics.* The construction, adjustment, repair and manipulation of Physical apparatus, including a study of home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings, and laboratory. One hour lecture or conference and one laboratory period per week. *Two hours, second semester.*

21, 22. *Special Topics.* Lectures by members of the department on recent advances in the science and other topics of interest, such as Relativity, the nature of the ether, the Quantum theory, electrons, the gyroscope and its applications, wireless telegraphy, the diffraction and polarization of light, waves and ripples, soap-bubbles, toys and the physical principles they involve. Hours to be arranged.

ADVANCED COURSES.

31. *Thermodynamics.* Prerequisites, Physics 1 and 2, or 3 and 4, and Differential and Integral Calculus. A course on the theory of heat as applied to ideal gases, saturated vapors, and other simple types of substances, introductory to the study of the steam engine. Especially recommended to students specializing in Physics or Physical Chemistry. *Three hours, first semester.*

32. *Molecular Physics.* A continuation of course 31, including the Kinetic theory of gases and liquids; the deduction and further discussion of van der Waal's equation, and the theoretical aspects of the theory of solutions. *Three hours, second semester.*

33. *Theoretical Electricity.* An introduction to the mathematical theory, treating of alternating currents, electric waves and oscillations, high frequency phenomena, and the theoretical basis of wireless telegraphy. Hours to be arranged.

34. *Theory of Light*. Lectures with experimental illustration. Problems relating to the theory of optical instruments, treated by the methods of Geometrical Optics, and of the wave theory. Prerequisites, Physics 1 and 2, or 3 and 4, and Differential and Integral Calculus. Two lectures and one laboratory period.

Three hours, second semester.

35, 36. *Advanced Mathematical Physics*. Lectures and assigned readings. The topics treated will be varied from year to year, to suit the needs of students. Hours to be arranged.

37, 38. *Advanced Laboratory, Research and Thesis*. Qualified students will have all the facilities of the laboratories placed at their disposal, and will receive the advice and assistance of the department. Hours to be arranged.

39, 40. *Seminary and Journal Club*. Conferences and reports on assigned topics and current periodical literature.

EQUIPMENT.

The building occupied by the department is being remodeled this year. When the improvements contemplated are completed, there will be two well equipped lecture rooms, a large general laboratory with special dark rooms for photometry and photography, a special electrical laboratory with a room for photometric research, a number of small rooms which can be assigned to special uses, such as occasional advanced courses or researches, a department library, and a battery and switch-board room, from which an abundance of circuits will go to all parts of the building.

The equipment of the department includes cases for apparatus; a considerable equipment for the elementary laboratory; apparatus for the determination of the Mechanical Equivalent of Heat according to Puluj; standard thermometers with certificates from the German Reichsanstalt; photometers, a Michelson interferometer, and other important optical instruments for the advanced laboratory; a large balance, and an equipment of modern steel rod supports for the lecture room; and a notable equipment for electrical measurements, including resistances, standard capacities and inductances, a potentiometer and galvanometers from the Leeds and Northrup Co.; ammeters and voltmeters from the American Instrument Co., from the Keystone Electrical Instru-

ment Co., and from the Weston Electrical Instrument Co., wattmeters and dynamometers, and a standard Ohm by Otto Wolff, and Weston Standard cells, including some which have been compared with those of the National Bureau of Standards.

POLITICAL SCIENCE.

PROFESSOR BARNETT.

I. FOR UNDERGRADUATES.

1. *American Government.* The government of the United States, federal, state, and local with special attention to the operation of the federal government. Prerequisite to all other courses in Political Science. Seniors will receive no credit for this course. Monday, Tuesday, and Friday at 10. *Three hours, first semester.*

2. *European Governments.* The organization and operation of the governments of England, France, Germany, and Switzerland, with special attention to the government of England. Seniors will receive no credit for this course. Monday, Tuesday, and Friday at 10. *Three hours, second semester.*

3. *Elementary Law.* A very brief introduction to the theory of law and to the history of English and American law, followed by a general consideration of the principal branches of the common law. Practice in the use of cases. Students credited with courses in contracts or torts will receive no credit for this course. Monday, Wednesday, and Friday at 9. *Three hours, first semester.*

II. FOR UNDERGRADUATES AND GRADUATES.

4. *Constitutional Law.* A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases. It is desirable that this course be preceded by Political Science 3. Monday, Wednesday, and Friday at 9.

Three hours, second semester.

5. *International Law.* The general principles of international law. It is desirable that this course be preceded by Political Science 3. Monday, Wednesday, and Friday at 8.

Three hours, first semester.

6. *Law of Officers.* The law of public officers. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Wednesday, and Friday at 8.

Three hours, second semester.

7. *Political Internationalism.* The peace movement; the causes and consequences of war, and the means of preserving peace; the history and present status of international political organization through international legislation, international jurisdiction and international administration; ideals of international political organization; the social basis of international political organization; nationalism and cosmopolitanism. Open to qualified juniors and seniors. Tuesday and Thursday at 9. (Omitted 1914-15.)

Two hours, first semester.

8. *Government.* The organization and operation of government in France, Prussia, England, and the United States, with special attention to contemporary reforms in the United States. Open to qualified juniors and seniors. Tuesday and Thursday at 9. (Omitted 1914-15.)

Two hours, second semester.

9. *Government of Oregon.* The State and local government of Oregon. Open to qualified juniors and Seniors. Tuesday and Thursday at 9.

Two hours, first semester.

10. *Practical Legislation.* The interpretation of written law; the drafting of constitutions, charters, statutes, and ordinances. Open only to students credited with Political Science 3, Political Science 4, and Political Science 8. Tuesday and Thursday at 9. (Omitted 1914-15.)

Two hours, second semester.

11. *Political Theory.* A very brief study of the history of political theory, and a more extensive study of modern political theory. Open to qualified juniors and seniors. Tuesday and Thursday at 9.

Two hours, second semester.

PSYCHOLOGY.

PROFESSOR CONKLIN.

DR. DALLENBACH.

Courses in this department are not open to freshmen except in special cases.

1. *Elementary General Psychology.* Lectures, discussions, and class room demonstrations covering in a general way the elements of consciousness, their physical substrate, and the phenomena of

sensation, habit, attention, association, perception, imagination, memory, judgment, reasoning, instinct, emotion, and will from both the structural and functional view points. Prerequisite to all other courses in Psychology except Course No. 6. Dr. Conklin and Dr. Dallenbach. Monday, Wednesday, and Friday at 8 and 11 a. m. *Three hours, both semesters.*

2. *Elementary Laboratory.* A corollary course to Psych. 1, and should preferably be taken the same year. It is designed to give the student an introduction to laboratory method in psychology. Experiments are performed in most of the groups of mental processes mentioned above. Dr. Dallenbach. Hours to be arranged. *One laboratory period, second semester.*

3. *Experimental Psychology.* Designed for advanced students who desire the methods and results of experimentally controlled introspective work. This course concerns chiefly qualitative studies in sensation, imagination, affection, and the higher mental processes. Practice experimental work in the laboratory is required of each student in the course. Dr. Dallenbach. Tuesday and Thursday at 10 a. m. Laboratory Tuesday, 1 to 4 p. m. *Three hours, both semesters.*

4. *Abnormal Psychology.* Designed especially for pre-medical students and for majors in physical training. Aphasias, amnesias, hysteria, dual personality, trance states, telepathy, theories of the subconscious, sleep, dreams, hypnosis, dissociations, fixed ideas, psychotherapy, and the common types of insanity will be presented by means of lectures, discussions and text-book work. Dr. Conklin. Tuesday and Thursday at 9 a. m. *Two hours, first semester.*

5. *Mental Hygiene.* This course is the complement of No. 4. It covers the conditions of efficient mental activity so far as they have been determined, the methods and results of the studies of mental fatigue, causes of mental retardation, the hygiene of the emotions and of the intellectual processes. Dr. Conklin. Tuesday and Thursday at 9 a. m. *Two hours, second semester.*

6. *Adolescence.* Genetic psychology in its broadest aspects is here studied, with special emphasis upon the psychological characteristics of adolescence and their relations to physiology, anthropology, sociology, crime, religion, philosophy, and education. G.

Stanley Hall's *Adolescence* is used as a text-book. Open only to juniors and seniors. Dr. Conklin. Tuesday and Thursday at 8 a. m. *Two hours, both semesters.*

7. *Research Laboratory.* Designed for advanced students in laboratory technique. Courses 1 and 3 are indispensable prerequisites. Special training is given in introspective analysis of consciousness by participation in original researches under the personal direction of the instructor. Dr. Dallenbach. Hours to be arranged. *One hour, both semesters.*

8. *Psychology of Feeling and Attention.* By lectures, papers, and discussions, the history, theories, and results of experimental work upon these much discussed topics in psychology are thoroughly presented. During the semester each student makes a special study of some aspect of these problems which is related to his own interests. (Offered in 1914-15, and thereafter alternates with Course 9.) Tuesday and Thursday at 11 a. m. Dr. Dallenbach. *Two hours, first semester.*

9. *Mental Tests.* Studies in methods of mental examination and the determination of degrees of intelligence. Methods of handling statistics, tests of sensory capacity, attention and perception, learning, suggestibility, etc., and the use of the Binet-Simon, DeSanctis and other tests for developmental diagnosis are learned by lectures, demonstrations, and personal laboratory practice. (Offered in 1915-16, and thereafter alternates with Course 8.) Dr. Dallenbach. *Two hours, first semester.*

LABORATORY FEES.

A laboratory fee of one dollar (\$1.00) is charged for Course 2, and a fee of two dollars (\$2.00) for Course 3. This is to cover the cost of supplies consumed. The apparatus used is provided by the university and no charge is made for its use.

LABORATORY EQUIPMENT.

The Psychological Laboratory consists of three rooms in McClure Hall, adjoining the Psychology Lecture Room, and is equipped for a limited number of students. It has a considerable store of the more simple apparatus and each year additions are made of the best modern construction. For demonstrational work

in connection with the courses in general psychology, experimental psychology, and mental hygiene and for laboratory practice the equipment is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, etc.

PUBLIC SPEAKING.

PROFESSOR REDDIE.

ASSISTANT PROFESSOR PRESCOTT.

1. *Freshman Public Speaking.* Vocal culture and platform manner. Especial stress on the study of the anatomy of the vocal organs. Impromptu speaking. Professor Reddie and Assistant Professor Prescott. *Two hours, both semesters.*

2. *Sophomore Public Speaking.* Development of tone quality and radiation. Interpretation of standard literature. Professor Reddie. *One hour, both semesters.*

3. *Junior Public Speaking.* Tone color. Analysis. Interpretation of standard literature. Lecture preparation. Professor Reddie. *One hour, both semesters.*

4. *Senior Public Speaking.* Studies in analysis of characteristics and personality. Interpretation of Shakespeare. Professor Reddie. *One hour, both semesters.*

5. *Extempore Speaking.* Practice in the preparation and delivery of short speeches taken from history, economics, education, literature, and from topics of the day. Especial study of the ends of speech from the standpoint of clearness, impressiveness, belief, action and entertainment. Open only to those who have had or are taking Course 1. Assistant Professor Prescott. *One hour, both semesters.*

6. *Advanced Extempore Speaking.* A continuation of Course 5. Open to those who have had Course 5. Assistant Professor Prescott. *One hour, each semester.*

7. *Freshman Debating.* Training in exposition and argument. Analysis, structure, fallacies, methods of refutation. Brief drawing. Assistant Professor Prescott. *Three hours, both semesters.*

9. *Parliamentary Law.* Principles of parliamentary law. Organization of societies, conducting public meetings. Assistant Professor Prescott. Two hours of recitation, one hour of credit.

One hour, each semester.

10. *Character Study.* This course will be given if desired to graduate students, seniors or those who have had or are taking Course 3, 4, or 11. The study of dialects in interpretation. Analysis of difficult and complex characters and situations in literature with a view to public presentation. Professor Reddie.

Two hours, both semesters.

11. *Dramatic Interpretation.* A course in the practical study of the drama. In the year's work three plays are publicly presented by the students under the auspices of the University of Oregon Drama League, an organization composed of members of the University faculty and representative citizens whose purpose is the production in Oregon of those plays which would not otherwise be given here. The intention of the League is threefold:

1. The revival of old plays.
2. Presentation of plays studied in high schools and colleges.
3. Presentation of the modern "Play of Ideas."

Students in this course become acquainted with the dramas presented from as many angles as possible, and those interested in play writing would especially be benefited through the opportunity for studying the purely mechanical side of production as well as the technical features of interpretation. The course includes acquaintance with the technique of acting, study of costume, period decoration, architecture, manners and customs, musical themes, stage carpentry, lighting, and color effects. Open to those whose grade cards show no marks lower than "M," or to such freshmen who can satisfy the department head as to their ability to do satisfactory work. Students in this class are required to make a grade of "S" in order to remain in the work. Only a limited number of students can be admitted to this course. Professor Reddie.

Four hours, both semesters.

12. *Playwriting.* Open to a limited number of junior or senior students or to those who are taking Course 11. Professor Reddie.

Three hours, both semesters.

ROMANCE LANGUAGES AND LITERATURES.

PROFESSOR CLORAN.

MISS BAKER.

FRENCH.

1. *Elementary French.* Fraser and Squair's Shorter French Course. The reading of several hundred pages of graduated texts is required. Super's French Reader or some similar text-book is used. Translation at hearing. French conversation. Daily at 9.

Five hours, both semesters.

2. *Advanced French.* Composition and syntax. Reading of prose and verse. Selections will be read from the following authors: Bazin, Loti, Hugo, Gautier, Balzac, De Vigny, About. French conversation. Monday, Tuesday, Thursday and Friday at 10.

Four hours, both semesters.

3. *History of French Literature in the Seventeenth Century.* Selections will be read from Racine, Moliere, Corneille, Bossuet, Pascal and Boileau. This course is open to students who have completed Course 2, or its equivalent. Monday, Wednesday, and Friday at 11.

Three hours, both semesters.

4. *History of French Literature in the Eighteenth and Nineteenth Centuries.* The following texts will be read: Selections from the works of Rousseau, Voltaire, Beaumarchais, Chateaubriand, Beranger, Alfred de Musset, Alfred de Vigny, Lamartine, Gautier, and Victor Hugo. Course 4 alternates with Course 3.

Three hours, both semesters.

5. *Scientific French.* The purpose of this course is to acquaint the student with technical terms, to familiarize him with scientific forms of expression and style, and to enable him to read with profit the scientific and technological contributions to French magazines. Bowen's Scientific French Reader will be used, and a number of magazine articles will be assigned to each student for outside reading. Open to students who have had two years of French.

Two hours, both semesters.

6. *French Conversation.* Open to students who have had one year of French and who are taking Courses 2, 3, or 4.

Two hours, second semester.

7. *Advanced French Conversation.* One hour, both semesters.

8. *History of French Literature and French Civilization.* Open to students who have had two years of French.

Three hours, both semesters.

9. *Lectures on French, Spanish, and Italian Literature of today.*

One hour, both semesters.

FOR GRADUATES AND ADVANCED UNDERGRADUATES.

10. *Old French.* Lectures on old French Phonology and Morphology. Students shall provide themselves in advance with Gaston Paris' *Extraits de la Chanson de Roland*, and Schwan-Behren's *Grammaire de l'ancien francais*, traduction de Bloc (Leipzig, 1900). Other books used are Koerting, *Lateinisch-romanisches Woerterbuch*, Paris' edition of *La Vie de St. Alexis* (Paris, 1903).

Open to students who have had at least two years of German, four years of French, and four years of Latin.

Three hours, both semesters.

11. *Teaching of French and Spanish.* Methods and text-books.

Two hours, second semester.

SPANISH.

1. *Elementary Spanish.* Oldmsted's *Spanish Grammar*; Alarcon, *El Captain Veneno*; Padre Isla, *Gil Blas de Santillana*; Spanish conversation. The course is open to students who have had two years of Latin. Monday, Wednesday, and Friday at 8.

Three hours, both semesters.

2. *Advanced Spanish.* Modern Spanish Literature. Palacio Valdes, Perez Galdos, Alarcon, Valera, Echegaray, Becquer, and Pereda. Spanish conversation. Tuesday and Thursday at 8.

Two hours, both semesters.

3. *Classical Spanish.* Cervantes, *Don Quixote* (selections); selected plays of Lope de Vega, and Calderon.

Two hours, both semesters.

ITALIAN.

1. *Elementary Italian.* Grandgent's *Italian Grammar*; Bowen's *First Italian Readings*; *Reading of Modern Prose*. This course will be open to students who have had two years of French or four years of Latin. Tuesday and Thursday at 11.

Two hours, both semesters.

2. *Advanced Italian.* The classic period of Italian Literature. Readings from Dante, Boccaccio and Petrarch. Courses 1 and 2 are given in alternate years. *Two hours, both semesters.*

3. *Dante and Tasso.* The works of Dante and Tasso in English translations. *Two hours, both semesters.*

PORTUGUESE.

Branner's Portuguese Grammar. Reading of prose and poetry. Open to students who have had two years of Spanish.

Two hours, second semester.

ZOOLOGY.

PROFESSOR BOVARD.

ASSISTANT PROFESSOR EDMONDSON.

Laboratory Assistants.

MR. LIVINGSTON.

MISS MACLAREN.

MR. MURPHY.

(a) *Introductory Courses* in general Zoology and elementary Physiology for students seeking general culture. Zoology 1, 2, 11, and 12.

(b) *Teachers' Courses*, for those who expect to teach science in the high schools, more especially Physiology. Zoology 11 and 12.

(c) *Advanced Courses* in Zoology, Anatomy, and Physiology for students making Zoology their major for those in the pre-medical department.

(d) *Pre-Medical Department.* Courses for students intending to study Medicine and Dentistry.* The work is designed to lay as broad a foundation as possible for the work in the Medical College and to give the student some idea of the work he has chosen as his profession.

A pre-medical course should include courses in Zoology and Physiology; Botany and Bacteriology; Chemistry, Inorganic and Organic; at least a year of Physics with laboratory practice; and a reading knowledge of French and German.

Pre-medical courses in this department: Freshman year, Zoology 1 and 2; sophomore year, Zoology 3, 14; junior year, Zoology 4 and 5; senior year, Zoology 6, 7, 8, and 13.

NOTE.—For further information concerning Pre-Medical Department, see pp. 88-89.

*Those intending to study Pharmacy should see Botany, under Announcement of Courses.

1. *Invertebrate Zoology*. Lecture, Monday, Tuesday and Friday at 10; Laboratory, Monday, Tuesday or Wednesday, 1 to 4. Three lectures and one laboratory period. The lecture will cover the General Principles of Zoology, the characteristics of the main groups of the animal kingdom, the life histories of some of the most important forms, and the general principles of physiology as taught by comparative Zoology. Open to all students.

Four hours, first semester.

2. *Vertebrate Zoology*. Lecture, Monday, Tuesday and Friday at 10. Laboratory, Monday, Tuesday, or Wednesday, 1 to 4. Three lectures and one laboratory period. A continuation of Course 1, using vertebrate types. Prerequisite to all higher courses in this department. Open to all freshmen.

Four hours, second semester.

3. *Comparative Anatomy*. Lecture, Tuesday and Thursday at 8. Laboratory, Thursday and Friday 1 to 4. Two lectures and two laboratory periods. A general course on the development of the Vertebrate. Lectures on the anatomy and zoology of lower vertebrates, the osteology and evolution of the higher forms. The laboratory work covers the comparative study of selected types of vertebrates. This course should precede Course 14. Open to all students.

Four hours, first semester.

4. *Histology*. Lecture, Tuesday and Thursday at 8. Laboratory, Monday and Tuesday 1 to 4. Two lectures and two laboratory periods. A detailed study of the tissues and the organs of the body, the preparation of microscopical slides. Open to all students who have had Courses 1 and 2. Prescribed for pre-medic students.

Four hours, first semester.

6. *Vertebrate Embryology*. Lecture, Tuesday and Thursday at 8. Laboratory, Monday and Tuesday 1 to 4. Two lectures and two laboratory periods. The development of the chick and a comparison with some of the other vertebrate types. Prerequisite, Courses 1 and 2.

Four hours, second semester.

7. *Physiology*. Lecture, Monday, Wednesday and Friday at 8. Laboratory, Wednesday 1 to 4. Three lectures and one laboratory period. Blood Circulation, Respiration, Muscle, Nerve, Reproduc-

tion, and the Nervous System. Prerequisites, courses 3, 4, and 5, Organic Chemistry, and one year of Physics.

Four hours, first semester.

8. *Physiology*. Lecture, Monday, Wednesday and Friday at 8; Laboratory, Wednesday 1 to 4. Three lectures and one laboratory period. Digestion, Metabolism, Dietetics, Excretion, and Animal Heat. Prerequisites, Courses 3, 4, and 5, Organic Chemistry, and at least a year in Physics.

Four hours, second semester.

9. *Seminar*. Hours to be arranged. One hour each week. Discussion of current literature. Students will be given topics on Zoological problems and expected to report on the literature and general status of the subject.

One hour, both semesters.

10. *Research Laboratory*. Hours to be arranged. Original work on some Zoological problem by the student under the guidance of the instructor. Credit to be based on the character of the work. Hours to be arranged.

11. *Elementary Physiology*. Lecture, Tuesday and Thursday at 11. Laboratory, Thursday 1 to 4. Two lectures and one laboratory period. A course in the elements of Physiology designed for those who intend to teach science, especially Physiology, in the high schools. The work will be based on Hough and Sedgwick's book, "The Human Mechanism," and will consist of recitations, lectures on special topics, and simple experiments adapted for high school use. Open to all.

Three hours, first semester.

12. *Field Zoology*. Lecture, Thursday at 11. Laboratory, Wednesday 1 to 4. A course in which the local fauna of fresh water, field and forest will be studied. The forms will be classified, morphological and ecological studies made, life histories followed and economic aspects emphasized. Prerequisite, Courses 1 and 2.

Two hours, both semesters.

14. *Mammalian Anatomy*. Lecture, Wednesday at 9. Laboratory, Thursday and Friday 1 to 4, Saturday 8 to 12. One lecture and three laboratory periods. A course in dissection of a typical mammal, intended for those going into medicine, or the advanced work in Physiology.

Four hours, second semester.

15. *Bionomic Problems*. Lecture, Tuesday and Thursday at 10. Two lectures. Lectures and demonstrations on the Life History of

certain forms, their behavior, conditions of existence; the geographical distribution of animals; factors and evidences of evolution, results of modern experimentation on evolution; theories of development and heredity. Open to all students.

Two hours, second semester.

16. *Marine Zoology.* Work will be carried on at the Marine Biological Laboratory at Puget Sound, Friday Harbor, Washington. The work will be done under the direction of the Department of Zoology of the University of Oregon. Credit will be given on the same basis as the Summer School work at Eugene.

17. *Studies of Birds.* Lecture, Thursday at 1. Laboratory hours to be arranged. One lecture and one laboratory. Lectures and field work devoted to the study of the habits, classification, methods of flight, color, feeding habits, etc.

Two hours, second semester.

EQUIPMENT.

The Zoological laboratories are equipped with microscopes, models, and other apparatus for all the ordinary work in Zoology, Microscopical Anatomy, and Physiology, and a number of skeletons for work in Comparative Anatomy and Human Osteology. The department will endeavor to furnish special apparatus as the occasion demands.

The Museum contains a fine series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

LABORATORY FEES IN ZOOLOGY.

A deposit fee is required in all courses in this department, with the exception of Zoology 9, 15. In the courses requiring laboratory deposits, the fee for Zoology 1, 2, 11, 12, and 17, is \$2.00; the remainder, \$5.00.

Although the apparatus loaned to the student is expensive, the fee is not intended to meet this in any measure but to cover the cost of the materials used and the apparatus not returnable. A

certain portion of the fee is returned to the student in all courses except Zoology 1, 2, 11, 12, and 17, if there has been no breakage, or in case the money has not been used to buy additional materials. The usual expense to the student in the advanced courses is from \$2.50 to \$4.00.

COURSE IN LAW.

The following courses in law are offered for 1914-15: Full organization of this work, with final announcements, awaits action of Board of Regents in June.

FIRST YEAR.

1. *Contracts*—Offer and acceptance; consideration; contracts under seal; contracts for the benefit of third persons; assignments; joint and several contracts; the Statute of Frauds; discharge of contract. Professor Hope. *Three hours, both semesters.*

Williston. Cases on Contracts (2 vols.)

2. *Criminal Law and Procedure*—Nature of crime; sources of criminal law; mental element in crime; intent and motive; parties in crime; crime as an act; attempts; specific crimes; crimes against the person; crimes against the dwelling house; felonious intent; jurisdiction. Professor ———. *Three hours, both semesters.*

Mikell, Cases on Criminal Law and Procedure. References: Lord's Oregon Laws.

3. *Torts*—Trespass to person, to real property, and to personal property; excuse for trespass; conversion; legal cause; negligence; contributory and imputed negligence; plaintiff's illegal conduct as a defense; duties of land owners; hazardous occupations; liability for animals; deceit; defamation, slander, libel, privilege, malice; malicious prosecution, criminal and civil; interference with social and business relations, including breaches of duty, fair and unfair competition, strikes, boycotts, business combinations. Professor ———. *Three hours, both semesters.*

Wigmore, Cases on Torts (vols. 1 and 2).

4. *Introduction to Property*—Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges. Real property; tenures; estates, seisin and conveyance; incidents of ownership in real property; fixtures; easements; covenants as to use; public rights; franchises; rents. Professor Hope. *Two hours, both semesters.*

Gray, Cases on Property (Vols. 1 and 2, 2nd edition). References to Kirchwey's Readings in Real Property.

5. *Persons and Domestic Relations*—Marriage: Consent and capacity; marriage as a contract or relation; rights and duties;

rights in property; contracts, conveyances, *quasi*-contractual obligations; wife's estates; antenuptial and postnuptial settlements; separation and divorce.

Parent and child: Legitimacy, adoption, custody, support, earnings of child; liability for child's torts.

Guardian and ward: Selection and appointment of guardians; jurisdiction to appoint; rights, duties and liabilities of guardian; maintenance of ward; domicile; care of property and investments; guardians' bonds.

Infants: Period of infancy; privileges and disabilities; contracts; liabilities for necessities; ratification and disaffirmance of contracts.

Persons *non compos mentis*, and aliens.

Master and servant: Creation and termination of the relation; remedies for breach of contract; rights and duties *inter se*; master's liability for injuries to servant; negligence and assumption of risk. Professor ———. *Three hours, first semester.*

Kales, Cases on Persons, and Vernier, Cases on Marriage and Divorce. References to Lord's Oregon Laws.

6. *Common Law Pleading and Procedure*—This course consists of a general survey of the principles of common law pleading with special emphasis upon the demurrer, confession and avoidance, and the traverse, followed by a special of the more common forms of actions, including the necessary obligations therein, and the methods of pleading defenses. Professor Hope.

Three hours, first semester.

Whittier, Cases on Common Law Pleading, Parts 1 and 2.

7. *Agency*—Nature of relation; appointment; liabilities of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency, termination; ratification. Professor Hope.

Four hours, second semester.

Huffcut, Cases on the Law of Agency (2nd ed.).

8. *Partnership*—Nature of a partnership, its purposes, and members; creation of partnership; nature of partner's interest; firm name and good will; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract and tort; general liability

of partners; dissolution and notice; consequence of dissolution; dissolution agreements respecting debts; distribution of assets to creditors, and between partners; limited partnerships. Professor ———.

Three hours, second semester.

Mechem, Cases on Partnership (2nd ed.)

SECOND YEAR.

9. *Equity Jurisprudence*—The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations *ex contractu* and obligations *ex relicto* considered in respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interference with business relations, violations, violation of rights of privacy; interpleader, bills of peace, etc.—special equitable remedies, including: cancellation of contract; clouds on title; perpetuation of testimony; rights of future enjoyment; reformation and rescission of contract; mistake, fraud, misrepresentation; duress and undue influence. Professor ———.

Three hours, both semesters.

Ames, Cases in Equity Jurisdiction (vols. 1 and 2).

10. *Evidence*—Respective functions of judge and jury; "law and fact;" presumptions; burden of proof; judicial notice; classification of evidence; relevancy as primary test of admissibility; principles and rules relating to the following: misleading or unimportant matters, character, admissions, confession, hearsay, witnesses' opinion and expert testimony, real evidence, evidence relating to execution, contents and interpretation of writing; various rules of substantive law stated in terms of "parol evidence rule;" competency of witnesses; privilege of witnesses; examination of witnesses. Professor Hope.

Three hours, both semesters.

Wigmore, Select Cases on Evidence (2nd ed.).

11. *Subject Matter of Sale*—Executory and executed sales; bills of lading; and *jus disponendi*; seller's lien and right of stop-

page *in transitu*; fraud; factors acts; warranty and remedies for breach of warranty; statute of frauds. Professor ———.

Four hours, first semester.

Woodward, Cases on Sales.

12. *Bailments and Carriers*—Bailments in general including for hire, for services to be performed, and for hired use. Special classes of bailments involving ordinary liability; pledges, warehousemen. Special classes of bailments involving exceptional liability; innkeepers; common carriers of goods; common carriers of passengers. Professor Hope.

Three hours, second semester.

Goddard, Cases on Bailments and Carriers.

13. *Bills and Notes*—This course deals with negotiable paper of all types. The law of checks, bills of exchange and notes is taken up, with a detailed discussion of: formal requisites; acceptance; indorsement; transfer; extinguishment; obligation of parties; diligence; specialty character; the effect of the negotiable instruments law. Professor ———.

Four hours, second semester.

Smith and Moore, Cases on Bills and Notes.

14. *Property*—Nature and importance of legal possession; remedies to recover legal possession wrongfully withheld; effect of statutes of limitations; tacking of periods of successive adverse possession; "constructive" adverse possession under color of title; intent as element of title to legal possession; possession through occupation of a servant or agent; possession through occupation of a tenant; relationship of landlord and tenant compared with rights and liberties of persons in various other relations; possession through a co-tenant's occupation; exceptions and interruptions to running of statutes of limitations. Creation of relationship of landlord and tenant; duration of tenant's interest; eviction and its effects; remedies of landlord for non-performance of tenant's obligations; remedies of tenant against landlord; covenants running with the land between landlord and tenant; rights, liberties, and duties of landlord with respect to third persons; rights, liberties, and duties of tenant, with respect to third persons. Professor Hope.

Three hours, first semester.

Gray, Cases on Property (vol. 3, 2nd ed.).

15. *Wills and Administration*—Acquisition of property on the death of former owner, escheat, descent, occupancy, gifts *causa*

mortis; the making, revocation, and republication of wills, payment of legacies and distribution, ademption and lapse of legacies. Prerequisite: Course 4. Professor Hope.

Three hours, second semester.

Costigan, Cases on Wills.

16. *Damages*—Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; value; interest; and damages in certain actions of tort and contract. Professor ———.

Two hours, second semester.

Mechem and Gilbert, Cases on Damages.

SCHOOL OF ARCHITECTURE.**PRELIMINARY ANNOUNCEMENT.**

Plans are being developed for the organization of a School of Architecture as this catalogue goes to press. For the present its main object will be to cover in the usual four-year course of the University a thorough training leading up to the practice of the profession of Architecture. Two options will be developed during the third and fourth years work; one to be known as architectural design, the other structural design. A degree of Bachelor of Arts will be given for the successful completion of the first and a degree of Bachelor of Science for the second. Before the first class is graduated it is probable with the increased equipment to be obtained an advance course will be established carrying with it a degree of Master of Architecture.

The entrance requirements of the University will be demanded for admission to the course. Solid Geometry will be required, however, as one of the electives with a value of one-half unit. French or German, Inorganic Chemistry or Physics are recommended as other electives.

While the work of the course will be carefully selected to develop imaginary and creative instincts, those qualities without which an architect becomes a mere builder, clear understanding of constructive principles will be obtained by the study of Applied Mechanics, Graphic Statics, Building Material, Theory of Structures, etc.

Facility of expression and familiarity with various media will be developed by courses in Drawing extending through the four years and including charcoal drawing from the cast and from life, water color, pen and ink, pencil, architectural rendering, composition and modelling. To obtain breadth of vision and appreciation of the proper use of precedent, courses will be given in History of Architecture and Ornament, European Civilization and Art.

The major study in the Design Option will be Architectural Design, carrying the student during the four years through the orders and their application in simple compositions until in the senior year projects of magnitude will be given. It is probable that at least certain of the problems given by the Beaux Arts Society of New York, conducted on the coast by the Architectural League of the Pacific Coast, will be used during the course in order

to give the students the advantage of competition with other men in various Ateliers and Architectural Courses throughout the country, many of whom do the same problems. Sketch problems and studies in City Planning and Landscape Architecture will be given.

In order to inculcate the sense of realism and an appreciation of the practical limitation of the Art of Building, courses will be given in Working Drawings and Specifications, Business Law and Contracts, Mechanical Equipment, Acoustics, Sanitary Science, Public Health, etc. Lectures will be given by active practitioners on City Planning, Landscape Architecture, Interior Decoration and other pertinent subjects.

The Major Study in the Engineering Option will be Structural Design and Strength of Materials in connection with which will be the Testing of Building Materials. Wood, Steel and Concrete Construction will be studied. Special lectures will be given in Fabrication of Steel, Manufacture of Cement, etc.

The School of Architecture should be of much value in the development of the State aiding by its extension work in proper City Planning, Building Laws, Craftsmanship and general appreciation of Architectural Beauty and orderliness.

Announcements of the faculty of the School of Architecture will be made after the meeting of the Board of Regents in June.

Students contemplating entering the School of Architecture should notify the Registrar.

ARCHITECTURAL COURSE.

Arrangement of studies—subject to change.

FIRST YEAR.

First Semester—

Mathematics
Algebra
Elements of Analytic Geometry
Plane Trigonometry
Inorganic Chemistry
Mechanical Drawing
Descriptive Geometry
Freehand Drawing
French
English Composition
Architectural History

Second Semester—

Mathematics
Plane Analytic Geometry
Elements of Calculus
Mechanical Drawing
Descriptive Geometry
Freehand Drawing
French
English Literature
Architectural History

SECOND YEAR.

First Semester—

Elementary Design — Elements
of Architecture
Freehand Drawing
Perspective
Water Color
Specifications and Working
Drawings
Architectural History
Mechanics
Wave-Motion Electricity
English Literature
European History
Integral Calculus

Second Semester—

Design and Theory of Architec-
ture
Freehand Drawing
Water Color
Architectural History
History of Ornament
Geology of the Materials of
Construction
Physics: Electricity, Optics
English Literature
Solid Analytic Geometry, Cal-
culus

THIRD YEAR.

Design Option

First Semester—

Architectural Design
Freehand Drawing
Architectural History
European Civilization and Art
Political Economy
Public Speaking and Oral Ex-
pression
Applied Mechanics
French Conversation

Second Semester—

Architectural Design
Freehand Drawing
Water Color
Modelling
Architectural History
European Civilization and Art
French Conversation
Applied Mechanics
Electives

FOURTH YEAR.

Design Option

First Semester—

Architectural Design
Constructive Design
Graphic Statics
Life Class
Color
European Civilization and Art
Theory and Elements of Archi-
tecture
Acoustics

Second Semester—

Architectural Design—Thesis
Constructive Design
Life Class
Theory and Elements of Archi-
tecture
European Civilization and Art
Sanitary Science and Public
Health
Special Lectures

THIRD YEAR.

*Structural Option**First Semester—*

Architectural Design
Structural Drawing
Freehand Drawing
Architectural History
Political Economy
Mechanics
Public Speaking and Oral Expression

Second Semester—

Structural Design
Theory of Structures
Materials
Architectural History
Applied Mechanics
General Studies—Electives

FOURTH YEAR.

First Semester—

Structural Design
Theory of Structures
Testing Materials
Applied Mechanics
Business Relations
European Civilization and Art

Second Semester—

Structural Design—Thesis
Theory of Structures
Business Relations
Sanitary Science and Public Health
European Civilization and Art

SCHOOL OF COMMERCE.

PRELIMINARY ANNOUNCEMENT.

Plans are being developed for the organization of the School of Commerce as this catalogue goes to press. Complete announcements of the courses and faculty will be made after the meeting of the Board of Regents in June. The plans and purposes of the school will be explained by the following outline:

I—THE UNDERGRADUATE DEPARTMENT.

A.—*Function*: The professional preparation in the more important lines of business and administration for which the Oregon situation offers peculiar opportunities for careers.

Emphasis on the social aspects of business will be enforced.

B.—*Organization*: In the organization of the undergraduate department the following interests are fundamental:

1. The special pursuits in business and administration for which preparation is planned.

2. The coordination of the professional courses for business and administration with those of the college of the Sciences and the Liberal Arts that have in addition to general value for education and culture, special value in their relations to professional training.

Such courses already given in the Science and Liberal Arts work relate to the proposed professional courses as: (a) Foundational courses. (b) Liberalizing and Reenforcing courses.

3. The grouping of the courses, foundational, liberalizing and professional so as to realize normal coordination and sequence. This gives the distinctive lists of courses for each line of business and administrative pursuits.

A SPECIFIC STATEMENT OF WHAT 1, 2 AND 3 INVOLVE.

1. The specific industrial and administrative professions for which the University should provide preparatory training:

- (a)—Business Management.
- (b)—Public Affairs.
- (c)—Public Accountancy.
- (d)—Private Accounting and Auditing.
- (e)—Banking.
- (f)—Insurance.
- (g)—Secretarial Business.
- (h)—Teaching of Commercial Subjects.

2. Component courses of undergraduate work:

(a)—*Foundational*—

1. English.
2. A Foreign Language.
3. Economic Geography.
4. One Laboratory course in a Natural Science.
5. Economic and Social History of England and the United States.
6. Political Institutions.

(b)—*Liberalizing and Reenforcing courses*—

1. Principles of Economics.
2. Money and Banking.
3. Transportation.
4. Trusts.
5. Public Finance.
6. Sociology.
7. Sociological Problems.

3. Professional courses:

1.—*Accounting*—(having as a prerequisite preparatory work in bookkeeping)—

Principles of Accounting,
Practice of Accounting,
Cost Accounts,
Auditing,
Corporation Accounts,
Municipal Accounting,
Public Utility Accounts,
Advanced Problems in Accounting.

2.—*Finance*—

Corporation Finance,
Banking Practice,
Principles of Insurance,
Fire Insurance,
Life Insurance.

3.—*Business Management*—

Business Organization,
Markets and Marketing Organization,
Principles of Efficiency,
Social Aspects of Business Management.

STANDARD TYPE OF THE COURSES TO ILLUSTRATE PRINCIPLES OF SEQUENCE AND COORDINA- TION—BUSINESS MANAGEMENT.

(Others in "public affairs," "public accountancy," "banking," "insurance," etc., will be arranged in accordance with same principles.)

FRESHMAN YEAR.

First Semester—

English, 3
Foreign Language, 5
Principles of Accounting, (based
on preparatory Bookkeeping) 3
Laboratory Natural Science, 3
Economic and Social History of
England, 2

Second Semester—

English, 3
Foreign Language, 5
Corporation Finance, 3
Laboratory Natural Science, 3
Economic and Social History of
the United States, 2

SOPHOMORE YEAR.

First Semester—

Economics, 3
History or English, 3
Cost Accounts, 2
Elective, 2
Foreign Language, 4
Contracts and Agency, 2

Second Semester—

Economics, 3
Business Organization, 3
Office Management, 2
Elective, 2
Foreign Language, 4
Contracts and Agency, 2

JUNIOR YEAR.

First Semester—

Sociology, 2
Money and Banking, 2
Transportation, 3
Eastern States and European
Trade, 3
Electives, 5

Second Semester—

Sociology, 2
Banking, Panics and Crises, 2
Trusts, 3
South American and Oriental
Trade, 3
Electives, 5

SENIOR YEAR.

First Semester—

Social Aspects of Business
Management, 3
Laboratory Work in Manage-
ment or Field Work and
Thesis, 5
Credits and Collections, 2
Electives, 5

Second Semester—

Social Aspects of Business
Management, 3
Laboratory Work in Manage-
ment or Field Work and
Thesis, 5
Foreign Exchange Accounting, 2
Electives, 5

II—GRADUATE DEPARTMENT COURSES AND ACTIVITIES

A.—FUNCTION.

The preliminary, but also foundational and continuing, phase of the graduate work in the School of Commerce and Administration will be concerned with ascertaining the actual facts pertaining to industrial and commercial conditions in Oregon. Such surveys and investigations will serve as the indispensable means for determining and defining the distinctive problems of progress here. The prime function of the graduate activities of this school is to effect readjustments and constructive improvements so that each of the great lines of production and distribution represented in Oregon may be carried on with the highest degree of economy and efficiency. The following characteristics of the natural resources, population and productions of Oregon conspire to make incalculable valuable expert investigations, analyses and counsel, in which the effective scientific methods are utilized:

1. Great diversity of resources.
2. Conditions and people that are capable of producing commodities of highest grades and of greatest specific value, and which, consequently, largely escape the limiting influence of competition but appeal to the strongest demand the world over.
3. The marketing problems because of the above conditions call for highest organization and most skillful application of statistical data.
4. The facts of the almost unparalleled water power resources, strategic position for assembling materials of a great variety of manufactures and for distributing the finished products, call urgently for constructive investigations, not only in the interest of economic development, but especially in the interest of conservation of national resources of fuel and power supplies.
5. The type of social and economic organization of a people with such water power and industrial resources will inevitably be of highest complexity and the problems then will develop exceedingly intricate—in strongest contrast, for instance, with the type that the combination of resources in Denmark make normal for that country.
6. A higher degree and type of cooperation and federation can be used to advantage as the development of Oregon proceeds than will be effective in almost any other region and among any other people.

7. The above combination of characteristics of the field for the University School of Commerce and Administration, together with the fact that development here has just begun and the consequent facts of a degree plasticity inherent in the Oregon situation that will make every additional measure of salutary guiding and molding influence of a scientific agency like a graduate School of Commerce and Administration of multiplied efficacy.

Field work will be organized under expert, practical directors, using talented graduate students to conduct surveys, prosecute comparative studies, and to apply exact scientific methods in analyzing actual industrial and commercial conditions so as to make everyday business and administration in Oregon approximate as nearly as possible to applied Science.

B. ORGANIZATION OF GRADUATE WORK.

The courses of the graduate department will be arranged on the plan of a two years' course leading to the degree of Master in Business Administration. The work of the first year will be taken up with such advanced courses as will give special preparation for the business career the student proposes to enter. The second-year student will be expected to prepare a thesis dealing with some concrete problem in the business which he plans to enter and embodying results and conclusions derived from his original investigations of actual business conditions.

The courses elected by the advanced student must be approved as best reenforcing his preparation for the investigation he is pursuing.

Students who did not include in their undergraduate work the absolutely prerequisite courses in economics and accounting will be required to make up the deficiency at the beginning of their work. Courses giving knowledge of the industrial and financial phenomena of modern times will also be quite indispensable.

A command of good English and a reading knowledge of one modern language are included as essential for satisfactory work.

Students without the undergraduate training in commerce and administration must select the following three courses as part of their first year's work:

- Principles of Accounting,
- Commercial Contracts and Agency,
- Business Organization.

SCHOOL OF EDUCATION.

FACULTY.

- P. L. CAMPBELL, A. B., LL. D., President of the University.
FRED CARLETON AYER, M. S., Dean; Professor of Education.
HUGO BEZDEK, B. A., Director of Men's Sports.
JOHN FREEMAN BOVARD, M. S., Professor of Zoology.
WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.
ROBERT CARLTON CLARK, Ph. D., Professor of History.
TIMOTHY CLORAN, Ph. D., Professor of Romance Languages.
ARTHUR JAMES COLLIER, M. A., Professor of Geology.
EDMUND S. CONKLIN, Ph. D., Professor of Psychology.
EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.
M. H. DOUGLAS, M. A., Librarian and Instructor in Library Administration.
JAMES HENRY GILBERT, Ph. D., Professor of Economics.
MONTANA HASTING, B. A., Assistant Professor of Education.
HERBERT CROMBIE HOWE, B. A., Professor of Modern English Literature.
R. H. LYMAN, B. A., Dean of the School of Music.
ROSE POWELL, Instructor in Public School Methods in Music.
GEORGE REBEC, Ph. D., Professor of Education.
ARCHIBALD FERGUSEN REDDIE, B. A., Professor of Public Speaking.
JOSEPH SCHAFER, Ph. D., Professor of History.
FREDERICH GEORG G. SCHMIDT, Ph. D., Professor of German.
ORIN FLETCHER STAFFORD, B. A., Professor of Chemistry.
FREDERIC L. STETSON, M. A., Assistant Professor of Education.
JOHN STRAUB, Litt. D., Professor of Greek.
BERTHA STUART, M. D., Director of Women's Physical Training.
ALBERT RADDIN SWEETSER, M. A. Professor of Botany.
EDWARD ALLEN THURBER, M. A., Professor of Rhetoric.
FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.

SUMMER, 1914.

- LEWIS R. ALDERMAN, B. A., Superintendent of City Schools, Portland, Oregon.
STOCKTON AXSON, Litt. D., Professor of English, Princeton University, New Jersey.

ADOLPH A. BERLE, Ph. D., Professor of Applied Christianity in Tufts College, Cambridge, Massachusetts.

J. A. CHURCHILL, B. A., State Superintendent of Schools.

CLIFTON F. HODGE, Ph. D., Professor of Social Biology, University of Oregon.

HENRY D. SHELDON, Ph. D., Professor of Education, University of Pittsburg.

FREDERICK J. TURNER, Ph. D., Professor of History, Harvard University.

L. H. WEIR, Secretary of Playground and Recreation Association of America.

ORGANIZATION.

The School of Education of the University of Oregon was authorized by the Board of Regents in February, 1910. The general purpose of the school is to organize and correlate all the forces of the University which have for their ultimate aim the growth of educational efficiency in the State of Oregon. This work is done through the effective grouping of courses for teachers in the regular college curriculum, through the Summer School, the Correspondence School, and through investigation of questions of importance to the State and publication of results in bulletin form.

Courses in Observation and Practice-Teaching have been organized in connection with secondary courses given at the University, and by special arrangement with the Eugene and Springfield City secondary schools. The present arrangement provides for approximately sixty teachers annually.

EQUIPMENT.

The equipment available for students in the School of Education consists of the following:

1. Collection of late eighteenth and early nineteenth century text-books, 100 volumes.

2. Collection of contemporary texts, elementary and high school, 800 volumes.

3. Collection of state, city school reports, college and other catalogues, 1,200 volumes.

4. Collection of sources of educational history 1815-1850, 200 volumes.

5. Collection of contemporary and recent periodical literature, including fifty educational journals.

6. Special set of physical and psychical apparatus for purposes of examination of exceptional children in the educational clinic.

ADMISSION TO SCHOOL OF EDUCATION.

The requirement for admission to the School of Education are the same as those for admission to the College of Literature, Science, and the Arts, viz: fifteen units, representing completion of a four years' high school course. Persons more than twenty years of age and properly qualified may enter the University as special students without complying with the above requirement, but no such student may be a candidate for a degree or University teacher's certificate until all entrance deficiencies are made up.

GRADUATION.

The degree Bachelor of Arts is conferred upon students of the School of Education who have secured 120 hours of college credit, exclusive of twelve semester hours required in physical training and including the work required by the major professor.

CERTIFICATES ON GRADUATION

Graduates from the School of Education are entitled to teaching certificates as provided in the following Oregon school law:

Certificates shall be issued to graduates from standard colleges or universities who have completed one hundred and twenty (120) semester hours, including fifteen (15) semester hours in education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and universities, authorizing them to teach only in the high schools of this State.

2. The holder of a one-year State certificate, issued in accordance with the provisions of this section shall, after six months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a five-year State certificate authorizing him to teach only in the high schools of this State.

3. The holder of a five-year State certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a State life certificate authorizing him to teach only in the high schools of this State.

4. The holder of a one-year State certificate, or a five-year State certificate, or a life State certificate, secured in accordance with the provisions of this section is hereby authorized to act as a city superintendent of schools of any city.

Fees are as follows, payable to the State Superintendent of Public Instruction:

One-year certificate	\$2.00
Five-year certificate, (after six months' teaching)	4.00

GRADUATE DEPARTMENT OF EDUCATION

This department is a department of the Graduate School of Arts and Science, and as such offers courses leading to the degrees of Master of Arts and Master of Science. The advanced courses in education aim to meet the needs of three classes of students: First, those who are preparing to give courses in the history and principles of education in colleges and normal schools; second, those who are preparing to become supervisors and administrators in various types of schools; third, students in various departments of the University, who, in addition to the courses in the subject-matter which they intend to teach wish to become acquainted with the principles underlying all educational organization and method. The last mentioned class of students may take education as a minor subject. Graduate students who have had no courses in education but wish to complete the 15 hours required for the State certificate should register in the undergraduate courses.

TEACHERS' APPOINTMENT BUREAU

The School of Education maintains a bureau for the registration of academic and professional records of Oregon alumni and recommends candidates for vacancies. In recent years the bureau has located many teachers and has had many positions to fill for which suitable candidates could not be found. This is particularly true of positions calling for men. The bureau aims to assist alumni

of the University of Oregon only, and charges no fee for its services. All principals or school boards desiring teachers are requested to correspond with The Appointment Bureau. Seniors or alumni who desire to register with the bureau should apply to the Registrar for the sheet of preliminary instructions. The recommendation of the bureau will be limited to candidates who have taken courses as prescribed by the faculty of the School of Education.

SUMMER SCHOOL.

Beginning in the latter part of June of each year, the University conducts a summer school of six weeks in length, the chief aim of which is to furnish the superintendents, principals, and teachers of the State the courses needful in their work. Special lecturers of eminence are secured to keep the work fully abreast of the times. Bulletins fully describing the work of the summer school will be mailed to all those who apply.

CORRESPONDENCE COURSES.

The University operates a correspondence school which enables energetic principals and teachers at a distance from the University to carry on studies under the direct supervision of the University departments. A circular containing the details of this division will be sent on application to the Correspondence-Study Department.

BULLETINS ON EDUCATIONAL SUBJECTS

One of the important functions of the School of Education is the publication of studies on educational conditions and problems. In the last five years, such studies have been made and published on normal school systems in the United States, high school systems in the United States, the county high school fund plan, county normal schools in other states, statistical study of Oregon high schools, and a select bibliography of nature study. These bulletins will be sent from the University to those interested in the subject upon application.

The Department of Education is, at present, pursuing several lines of experimental and statistical investigation, the results of which will ultimately appear in bulletin form. Chief among these are the following:

1. Methods of Teaching German in the Intermediate Grades. With the cooperation of the Department of German, and through experimental teaching in the Eugene grammar schools, a set of superior methods in teaching German is being developed.

2. A Survey of the Periodical Literature of Education.

3. Educational Clinic of Exceptional Children. The clinical study of exceptional children was begun early in the year. The investigation is somewhat distinct from the usual type in that, while retarded children are being given due consideration, chief emphasis is being placed upon the exceptionally bright child, aiming to discover better methods for the development of unusual talent.

COURSES OF INSTRUCTION

I. INTRODUCTORY COURSE

(Open to anyone with teaching experience, and to all others except first-year students.)

1. *Principles of Education*. An introduction to the general field of education. This course should precede all other courses in education and is open to students prior to their junior year. Professor Ayer. Tuesdays and Thursdays, at 10.

Two hours, repeated each semester.

II. COURSES FOR JUNIORS AND SENIORS

(At least one year's sequential work should be taken in this group by all prospective teachers.)

2. *History of Education*. Ancient and Mediaeval History of Education will be considered the first semester, and Modern History of Education the second semester. This course includes a study of the world's chief educational systems with special emphasis on the methods and principles which have evolved into modern educational practice. Professor Ayer. Mondays, Wednesdays, and Fridays, at 9.

Three hours, both semesters.

3. *Pedagogical Psychology*. Application of the fundamental principles of adult psychology to educational problems. Assistant Professor Stetson. Mondays, Wednesdays, and Fridays, at 8.

Three hours, first semester.

4. *Genetic Psychology*. Growth of the individual mind through childhood and adolescence to maturity, with reference to pedagogy.

Assistant Professor Stetson. Mondays, Wednesdays, and Fridays, at 8. *Three hours, second semester.*

5. *Secondary Education.* History, organization, and administration of secondary schools in America. A consideration of the preparatory, industrial, cultural, and social aspects of secondary education. Primarily for high school teachers. Assistant Professor Hastings. Tuesdays and Thursdays, at 9. *Two hours, first semester.*

6. *Secondary Educational Practice.* School management applied to secondary schools. Psychology and pedagogy of high schools subjects. Libraries, athletic sports, physical training, music, public speaking, drawing, patron-teachers associations, and similar topics. Primarily for high school teachers. Assistant Professor Hastings. Tuesdays and Thursdays, at 9.

Two hours, second semester.

7. *Observation of Teaching.* Eighteen hours' observation work in high schools. Reports and class discussion. Required of all prospective teachers. Hour selected. Assistant Professor Hastings.

One hour, repeated each semester.

III. COURSES FOR SENIORS AND ADVANCED STUDENTS.

(These courses may be taken for graduate credit. Certain prerequisites are necessary for registration.)

8. *School Administration.* Structure of state and city school systems of education. School houses, school finance, the teaching staff, grading, promotion, tenure, appointment, retardation, exceptional children, school boards, school supplies, school statistics, Oregon school law, and related topics. Should be taken by all prospective principals and superintendents. Professor Mondays, Wednesdays, and Fridays, at 11.

Three hours, first semester.

9. *Curriculum.* This course deals with the organization of the public-school curriculum as related to social conditions and social needs. It treats of courses necessary to meet the needs of vocation, health, civic life, family life, social intercourse, moral conduct, and leisure occupations. An analysis is made of the changing practice in education and of the results of recent educational surveys. The course is concluded with a study of the actual courses found in the best schools, the State course of study, and the organization of these in connection with successful text-

books and practical methods. This course follows Education 5 and should be taken by all prospective school administrators. Professor Mondays, Wednesdays, and Fridays, at 11. *Three hours, second semester.*

10. *Scientific Methods of Study.* How pupils of the public schools may be taught to study more independently and effectively is the question that dominates this course. This includes a systematic consideration of study in the light of modern pedagogy and psychology. Assistant Professor Hastings. Tuesdays and Thursdays, at 2. *Two hours, first semester.*

11. *Library Methods and Periodical Literature of Education.* This course meets the needs of students, teachers and principals concerned with library work, which is considered from both the research and administrative standpoints. The administration of school or private libraries is considered under such topics as: Selection and purchase of books, library tools, and reference works, classifying, cataloging and caring for books. The student of education is introduced to the technic of library procedure and the general field of periodical literature involved in the study and investigation of modern educational problems. Professor Ayer and Mr. M. H. Douglas, librarian. Tuesdays and Thursdays, at 2. *Two hours, second semester.*

12. *Practice Teaching.* In University practice school and neighboring secondary schools. This work receives careful supervision by the department of education. Directions for the conduct of practice teaching may be received upon application. This course is required by all prospective teachers. Teachers with experience by special arrangement may substitute other courses for practice teaching. Students apply for registration the preceding semester. Prerequisites; six hours of education, including Education II, and Senior standing. Hours to be arranged.

Three to five hours, repeated each semester.

IV. GRADUATE COURSES OF INSTRUCTION

15. *Experimental Education.* A survey of statistical and experimental investigations of school problems. This course is intended for advance students who are qualified to carry on special studies. Each member of the class will select a particular subject for investigation which is to be mastered and embodied

in a report or monograph at the end of the semester's work. Professor Ayer. Alternate years with Education 16.

Three hours, both semesters.

16. *Philosophy of Education.* The evolution of educational theory. Advanced aim and purpose of education. Typical educational problems. Relation of modern psychology and biology to education. Prerequisites, Education 1 and 2, and Psychology 1. Professor Ayer. Alternate years with Education 15.

Three hours, both semesters.

17. *Clinical Child Psychology.* A study of methods employed in the diagnosis of normal and exceptional children. Aspects of mental and physical development of the individual with particular reference to retarded and abnormal school children. Study of literature and clinical examination of cases. Prerequisite, Psychology 1 or Education 3 and 4. Assistant Professor Stetson.

Three hours, second semester.

18. *Special Courses.* Special work in independent investigations may be provided for students prepared to do advanced work, the nature of the investigation being determined by the student's preparation and needs. Candidates for advanced degrees in education may do thesis work in this course. The work may be done *in absentia* when sufficient preliminary work has been done in residence. The members of the instructing staff will supervise investigations according to the particular field.

V. COURSES IN METHODOLOGY OFFERED BY THE DIFFERENT DEPARTMENTS

(Credit in Education as part of the fifteen hours required for a teacher's certificate may be gained, to the extent of four semester hours, in courses in this group. The courses are primarily concerned with the teaching of the various subjects.)

Botany 12, one hour a week, one semester.

English 63, one hour a week, both semesters.

German 11, two hours a week, second semester.

Geology 11, one hour a week, one semester.

History, one hour per week, one semester.

Journalism 4, one hour a week, one semester.

Latin, two hours a week, one semester.

Mathematics 7-8, one hour a week, both semesters.

Physics 16, one hour a week, one semester.

Music, two hours a week, two semesters.

Physiology, one hour a week, one semester.

Drawing, two hours a week, one semester.

Romance Language 12, two hours a week, second semester.

Theory and Coaching of High School Sports, two hours a week, two semesters.

See also special courses in physical training and athletic sports.

VI. RELATED COURSES OF INSTRUCTION

The attention of students of education is directed to the courses listed under the departments of Psychology, Philosophy, and Sociology, many of which are directly related to the content of education.

SPECIAL COURSES OF STUDY

The School of Education by means of professional training in the Department of Education and academic instruction in the respective University departments is prepared to train the following classes of teachers. For detailed courses consult the following pages:

1. High school and grammar school departmental teachers.
2. Superintendents, principals, and teachers of normal training.
3. Special supervisors of music, physical training, athletic sports, and public speaking.

1. COURSE OF STUDY FOR HIGH SCHOOL TEACHERS

Students expecting to teach in the high school should take Education 1, a year's sequential work in Group II (see courses for juniors and seniors above). Observation and Practice Teaching, two or three courses in Group V (special methods), and one or two of the departmental academic courses listed below.

COURSES REQUIRED BY DEPARTMENTS

The following list of the courses of study necessary to equip teachers in the different high school subjects represents the irreducible minimum which the department in question considers necessary to insure superior teaching. Under the ordinary conditions no student will be recommended for a position in a department

of a large high school who has not carried successfully in his college course all the work outlined. Exceptions may be made of small high schools where the candidate must of necessity teach a large variety of subjects. In schools of this class where the faculty is limited to three teachers or less, students will be recommended upon the successful completion of shorter courses in the subject to be taught. In foreign languages students, to secure recommendations, must have taken at least four years' work, of which two years must have been completed in a college or university.

It is advisable for students to fit themselves for teaching more than one subject. While the demand for teachers in the different subjects fluctuates from year to year, there is at present a particularly strong demand for men capable of teaching one department and acting as physical director. Ability to supervise music, athletics, or public speaking, adds materially to the chances for securing a first class position. Various combinations of subjects are asked for, but the majority of calls are for teachers of two or more adjacent subjects as arranged in the following group: German, Latin, English, History, Civics, Mathematics, Science, (i. e., physics, biology, physiology, chemistry, physiography), Manual Training, Commercial subjects.

REQUIRED DEPARTMENTAL COURSES

Botany. Elementary Botany 1 and 2, four hours, both semesters, freshman and sophomore year.

Structural Botany 3 and 4, three hours, both semesters, sophomore or junior year.

General Biology 9, two hours, both semesters, junior or senior year.

Chemistry. General Chemistry 1, four hours, both semesters, freshman year.

Analytical Chemistry 3, four hours, both semesters, sophomore year.

Organic Chemistry 5, three hours, both semesters, junior year.

Teaching of Chemistry, one hour, both semesters, senior year.

English. English Composition 1, Professor Thurber, three hours, both semesters, freshman year.

Outlines of English Literature 1, three hours, both semesters, Professor Howe, freshman year.

Rhetoric 6, Professor Thurber, three hours, both semesters, sophomore year.

Additional course in Modern English Literature, Professor Howe, three hours, both semesters, sophomore or junior year.

Course in methods of teaching English, Professors Thurber and Howe, senior year.

Geology. Elementary Geology, three hours, both semesters, freshman or sophomore year.

Identification of Minerals, two hours, both semesters, sophomore or junior year.

Methods of teaching Geology and Physical Geography, one hour, second semester, senior year.

German. Elementary German, five hours, both semesters, freshman year.

Advanced German, four hours, both semesters, sophomore year.

German Classical Drama, three hours, both semesters, junior or senior year.

German Fiction and Contemporary Literature, three hours, both semesters; or

The Nineteenth Century Novel, three hours, both semesters, junior or senior year.

The Teaching of German, two hours, one semester, senior year.

History. History of England, Professor Clark, three hours, both semesters, freshman year.

Greek and Roman History, Professor Clark, three hours, both semesters, sophomore year.

Early American History, Professor Schafer, three hours, both semesters, sophomore year.

Medieval History, or Modern History, Professor Clark, three hours, both semesters, junior year.

Later American History, Professor Schafer, three hours, both semesters, junior year.

Historiography, Professor Schafer, two hours, both semesters, senior year.

Methods of Teaching History, Professors Schafer and Clark, senior year.

Latin. A minimum of six years' preparation and as much more as can be obtained in the ordinary college course are requisite for teaching Latin. This would, of course, include the usual four years of high school or academy Latin, covering the uniform reading in Cæsar, Cicero, and Vergil, with supplementary work in Ovid and Sallust and composition. Of these first four years the University offers the latter two, *i. e.*, the courses in Cicero and Vergil. Four years more are recommended, and, if not four, at least two. The work in these four years is so arranged that a wide range of reading is offered, the instructor reserving the right to vary the program from year to year.

Fifth Year. Cicero's *de Senectute*, Vergil's *Eclogues*, a play of Plautus, Horace's *Odes*, Sallust's *Jugurtha*, selections from Catullus and Tibullus.

Sixth Year. Horace's *Satires* and *Epistles*, a book of Livy, Ovid's *Tristia*, a play of Terence, selections from Pliny and Martial.

Seventh Year. Roman life from Cicero's *Letters* and *Orations*, Roman History from Tacitus and Livy.

Eighth Year. Roman literary criticism from Quintilian and other authors, Roman philosophy from Lucretius and Cicero.

Mathematics. Advanced Algebra, Trigonometry, Analytical Geometry, five hours, both semesters, freshman year.

Differential and Integral Calculus, three hours, both semesters, sophomore year.

Differential Equations, two hours, both semesters, junior or senior year.

Determinants and Theory of Equations, three hours, one semester, junior or senior year.

History and Teaching of Mathematics, one hour, both semesters, senior year.

Physiology. Invertebrate Zoology, three hours, both semesters, freshman or sophomore year.

Elementary Physiology, two hours, first semester.

Nature Study, three hours, second semester.

Physics. The minimum requirement in Physics for a recommendation to teach the subject in connection with other branches in a high school includes the following courses, aggregating 15 semester hours:

3 and 4, General Physics, three recitations and laboratory, one year.

11, Elementary Mechanics, two recitations and laboratory, one semester.

15, History of Physics, one semester hour.

16, Teaching of Physics, one semester hour.

20, Physical Technics, two semester hours, including laboratory.

The prospective teacher of Physics needs also the fundamental courses in Mathematics and Chemistry, and should have acquired either in the University or elsewhere a familiarity with the use of common tools and a fairly accurate and extensive knowledge of machinery and its operation, such as steam and gasoline engines, dynamos, motors, telephones, etc., topics of special interest to high school boys.

Those making a specialty of Physics will consult the announcements of the department for other courses adapted to their needs.

COURSE FOR SUPERINTENDENTS, PRINCIPALS, ETC.

Students entering this course should major in Education.

Freshman Year—English Composition, three hours.

Sophomore Year—*Psychology, three hours. *Economics, three hours, Early American History, three hours. Education 1, two hours.

Junior Year—History of Education, three hours. Secondary Education, four hours. Later American History, three hours. Observation, one hour.

Senior Year—*School Administration—Organization of Curricula, three hours. Practice Teaching, four or five hours. Library Methods, two hours. Sociology, two hours.

A student may combine the above course with one or possibly two of the high school groups and thus prepare himself for some specific department in a high school, besides securing a general

*The courses starred may be taken by correspondence.

training in pedagogy which will be essential to him later on in his career.

SPECIAL COURSE FOR MUSIC TEACHERS

It is within a comparatively short period that the necessity of special training for teachers of music has been realized, though schools affording such opportunities to teachers in other subjects have long been acknowledged as necessary. In recognition of this need, an opportunity will be given teachers to get such training in the School of Music.

The purpose of a normal department is to give the student of music a mental, musical, and technical education that will equip him for teaching, and which will be at the same time invaluable to musicians who wish to have more than a superficial knowledge of their art.

First Year—Music (piano, voice, or violin), two hours. German (Italian for voice), five hours. Literature, three hours. English, three hours. Elocution, one hour. Personal Hygiene, one hour. Physical Training.

Second Year—Music (piano, voice, or violin), two hours. Harmony (preparatory), one hour. German, four hours. English, three hours. Literature, three hours. Elocution, one hour. Physical Training.

Third Year—Music (piano, voice, or violin), two hours. Sight Singing, one hour. Harmony, one hour. History of Music, one hour. Psychology, three hours. French, five hours. Special Methods in Teaching Music, two hours. Physical Training.

Fourth Year—Music (piano, voice, or violin), two hours. Sight Singing, one hour. Education 3 and 4, three hours. Harmony, one hour. History of Music, one hour. Elocution, one hour. Practice Teaching Music, five hours. Physical Training.

SPECIAL COURSE FOR TEACHERS OF GYMNASTICS

Freshman Year—French or German, five hours. English Composition, three hours. Botany, four hours. Public Speaking, one hour. Personal Hygiene.

Sophomore Year—Physics, four hours. French or German (2), four hours. Zoology (1 and 2), three hours. Psychology (1), three hours.

Junior Year—Histology, three hours. Osteology, two hours. Chemistry, four hours. Education (3 and 4), three hours. Bacteriology, two hours. Theory of Gymnastics and Playground, two hours.

Senior Year—First semester: Physiology, four hours. School Hygiene, two hours. Corrective Gymnastics, three hours. Art of Teaching Gymnastics, two hours. Symptomatology, one hour.

Second semester: Physiology, four hours. Sanitary Hygiene, two hours. Special Physiology, three hours. Anthropometry, two hours. Emergencies and Bandages, one hour.

SPECIAL COURSE FOR DIRECTORS OF ATHLETICS

For men who desire the ability of training athletic teams in connection with high school teaching. The course includes: (1), an introduction to the sciences underlying physical activity; (2), a practical study of personal hygiene, first aid to the injured, and prescriptive exercise; (3), a detailed study of the theory, rules, and methods of coaching each of the high school athletic sports, supplemented by practical work on the field, and (4), a professional study of educational theory and practice.

For 1914-15, the following two courses only will be offered:

Personal Hygiene, one hour, both semesters.

Theory and Coaching of High School Sports, two hours, both semesters.

The courses will be open to juniors and seniors who are prospective teachers. Successful completion of these courses will entitle students to a recommendation as Director of High School Sports.

SCHOOL OF MEDICINE

FACULTY

P. L. CAMPBELL, B. A., LL. D., President of the University.

HENRY E. JONES, M. D., Emeritus Professor of Clinical Gynecology.

GEORGE MILTON WELLS, M. D., Emeritus Professor of Pediatrics.

ANDREW JACKSON GIESY, M. D., Emeritus Professor of Clinical Gynecology.

SIMEON EDWARD JOSEPHI, M. D., Professor of Nervous and Mental Diseases. Head of Department of Mental and Nervous Diseases and Medical Jurisprudence.

OTTO SALY BINSWANGER, Ph. D., M. D., Professor of Chemistry and Toxicology, Head of Department of Chemistry and Toxicology.

KENNETH A. J. MACKENZIE, M. D., C. M., L. R. C. P. and L. R. C. S. Edin., Dean, Professor of Operative and Clinical Surgery, Head of Department of Surgery.

RICHARD NUNN, B. A., B. Ch., M. D., Professor and Head of Department of Diseases of Eye, Ear, Nose and Throat.

JAMES FRANCIS BELL, M. D., L. R. C. P. London, Professor of Theory and Practice of Medicine, Head of Department of Medicine.

GEORGE FLANDERS WILSON, M. D., Professor of Principles and Practice of Surgery.

EARNEST FANNING TUCKER, B. A., M. D., Professor of Gynecology, Head of Department of Gynecology.

EDMUND JOHN LABBE, M. D., Professor of Pediatrics.

GEORGE BURNSIDE STORY, M. D., Professor of Obstetrics, Head of Department of Obstetrics.

ALBERT EDWARD MACKAY, M. D., Professor of Genito-Urinary Diseases.

JAMES CULLEN ZAN, M. D., Associate Professor of Clinical Surgery.

ROBERT CLARK YENNEY, M. D., Professor of Clinical Medicine.

JOHN DICE MACLAREN, M. S., M. D., Professor of Physiology, Head of Department of Physiology.

FRANKLIN CHAMBERS McLEAN, M. S., M. D., Professor of Materia Medica and Pharmacology, Head of Department of Pharmacology.

RICHARD B. DILLEHUNT, M. D., Professor of Anatomy, Head of Department of Anatomy, Assistant Dean.

ROBERT LOUIS BENSON, M. S., M. D., Professor of Pathology, Head of Department of Pathology and Bacteriology.

JOHN M. CONNOLLY, Ph. D., M. D., LL. D., Professor of Physiological Chemistry.

BURDETTE L. ARMS, M. D., Acting Associate Professor of Bacteriology.

ASSISTANT PROFESSORS

ALVIN WALTER BAIRD, A. B., M. D., Assistant Professor of Surgery.

J. ALLEN GILBERT, Ph. D., M. D., Assistant Professor of Medicine.

WILLIAM HOUSE, M. D., Assistant Professor of Nervous and Mental Diseases.

J. C. ELLIOTT KING, M. D., Assistant Professor of Dermatology and Syphilology.

CLARENCE J. MCCUSKER, B. S., M. D., Assistant Professor of Obstetrics.

RALPH CHARLES MATSON, M. D., Assistant Professor of Bacteriology.

OTIS BUCKMINSTER WIGHT, A. B., M. D., Assistant Professor of Gynecology.

GEORGE SHATTUCK WHITESIDE, M. D., Assistant Professor of Genito-Urinary Diseases.

CALVIN S. WHITE, M. D., Assistant Professor of Medicine. (Hygiene and Sanitation.)

ROBERT H. ELLIS, M. D., Assistant Professor of Obstetrics.

THE MEDICAL DEPARTMENT

HISTORY

The Medical Department of the University of Oregon was established in 1887 by a charter from the regents of the University. The first building was a small frame structure, located at what is now the corner of Marshall and Twenty-second streets, on the

grounds of the Good Samaritan Hospital. It consisted of a single lecture room on the ground floor, and an anatomical laboratory on the upper floor. In 1890, the present lot was purchased, and the building was transferred to it and remodeled. The present building was erected in 1892. It is a three-story structure and contains well equipped laboratories, a convenient dissecting room, two large lecture rooms, a commodious amphitheatre, and the R. B. Wilson library.

LOCATION

The college is located at the corner of Twenty-third and Lovejoy streets, opposite the Good Samaritan Hospital, and is reached by the Washington and Twenty-third street cars.

ORGANIZATION AND GOVERNMENT

The Medical Department is governed locally by the faculty, composed of the heads of the various departments; but is responsible to the regents of the University of Oregon, of which it is an integral part, in both scholastic and financial matters.

The teaching body consists of sixty members. There are nineteen professors, nine of whom are heads of their respective departments, and seven of whom devote their entire time to the work of the first two years. In addition to these there are assistant professors, associates, instructors, and assistants in the various departments.

BUILDINGS

The college building is a three-story structure, heated by hot water and lighted by gas and electricity. All didactic and laboratory work is conducted here. Two large lecture halls, supplied with charts, blackboards, and a projection lantern, admirably meet the need for lectures, quizzes and demonstrations. A commodious amphitheatre on the first floor is used in demonstrations of anatomy, surgical anatomy and operative surgery on the cadaver.

LABORATORIES

In 1910, a complete reorganization of the various laboratory departments was instituted, and the laboratories were newly equipped, and the facilities were much improved. The laboratories

of chemistry, physiology, histology, bacteriology, pathology, pharmacology and materia medica possess all the modern apparatus for practical instruction in those departments. The apparatus will be further augmented for this session. Under each department will be found a more detailed description of its facilities.

CLINICAL ADVANTAGES

The college has exceptional clinical advantages because of its intimate relation to large general hospitals, in all of which are parts of the work of the clinical years.

Good Samaritan Hospital is located just opposite the college. It accommodates 250 patients and has recently built a new operating room with a convenient amphitheatre.

St. Vincent's Hospital is within five minutes' walk of the college. It is modern in every respect and contains 500 beds and six excellent operating rooms, one of which has a large amphitheatre, specially constructed to afford facilities for teaching surgery and medicine in this college.

Multnomah County Hospital is a charitable institution readily accessible by street car, and affords much material for practical clinical work. This institution will soon be enlarged to comply more thoroughly with the needs of Multnomah County.

Members of the faculty conduct clinics daily in these hospitals, and the student is brought into actual contact with methods of diagnosis and treatment.

Portland's geographical position is such that its hospitals receive many patients from a large surrounding territory, resulting in great diversity of diseases.

DISPENSARIES

The Portland Free Dispensary is located at Fourth and Burnside streets in a district which abounds in the types for which a dispensary is necessary. It is conducted by the college in affiliation with the People's Institute, the Men's Resort, and the Visiting Nurses' Association. The departments of medicine, surgery, gynecology, ophthalmology, otology, laryngology, pediatrics and genito-urinary diseases are represented here, and the junior and senior classes are assigned to definite hours in actual clinical work with the patient.

The Jewish Neighborhood House Dispensary has been recently completed, and is situated opposite the Multnomah Hospital, at Second and Hooker streets. The attendance at this dispensary is already large, and it affords much valuable clinical work in Medicine, Pediatrics, and diseases of the Eye and Ear.

LIBRARY

The R. R. Wilson Library was established by gift of the medical libraries of the late Drs. R. B. Wilson and Rodney Glisan, two distinguished pioneer physicians of this State. It is housed in the college building. It has been recently added to, and will be further enlarged from time to time. Students may have access to books and periodicals subject to the library rules. Students have access also to the ample library of the Portland City and County Medical Society.

REQUIREMENTS FOR ADMISSION

These comprise as a minimum (a), the successful completion of a four-year high school or academic course, or the equivalent thereof; also (b) one year of successfully completed college or university work in an institution acceptable to the University of Oregon. This latter work must have included one year each of chemistry, physics, biology and a modern foreign language; also (c) a certificate of good moral standing signed by two reputable physicians.

A. HIGH SCHOOL WORK REQUIRED

The high school work imperatively demanded of each matriculant comprises evidence of the completion of a four-year course in an accredited high school or the equivalent thereof, as demanded for unconditional admission to the College of Literature, Science and the Arts of the University.

Fifteen units in all are required, seven of which are in required subjects, and the remaining eight are elective.

By a unit of work, is meant a subject running one year of at least 36 weeks, five times a week, with each period not less than forty minutes in length.

Beginning with September, 1915, no matriculation conditions will be permitted, but students will be required to present the

full fifteen units of high school work, including the required subjects mentioned below:

Required Subjects

English	3 units
Algebra	1 unit
Plane Geometry	1 unit
History	1 unit
Science	1 unit
	<hr/>
	7 units

Elective Subjects

The balance of the fifteen units may be selected from any subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects. All students are urged to present four units of English. Not more than four units in vocational subjects may be offered for admission.

The science requirement may be satisfied with a full year's work in any of the following: Physics, Chemistry, Botany, Zoology, or Biology; provided, it includes a substantial amount of competently supervised laboratory work.

Students are urged to present two units of foreign language, but if they are unable to do so they shall be permitted to substitute for the foreign language the same number of units of other work. However, students entering without any foreign language shall be required to take in the University ten semester hours of foreign language in addition to the present requirements, and those offering only one year, six semester hours additional.

B. COLLEGE WORK REQUIRED

One year of college work in a college or university accredited by the University of Oregon must have been completed, and this must include at least eight semester hours in didactic and laboratory courses in Physics, Chemistry, Biology, and German or French.

The following schedule shows the minimum number of hours acceptable in the subjects of the preliminary year:

Subject	Lectures or recitations per week	Laboratory periods* per week	Total hours per semester	Total semester hours per year
Physics, 1.....	2 or 3	2 or 1	4	8
Chemistry, 1.....	2 or 3	2 or 1	4	8
Biology, 1.....	2 or 3	2 or 1	4	8
German or French, 2.....	4 or 3	-----	4 or 3	8 or 6
Total	10 or 12	6 or 3	16 or 15	32 or 30

*Each laboratory period must extend over at least two hours.

ADMISSION BY EXAMINATION.

The above credits are accepted upon credential from proper authority without examination. Students from schools not recognized by the University of Oregon must submit to examination in the required branches. Such examination will be conducted by a member of the faculty of the College of Literature, Science and the Arts. After such examination the student must submit credentials from the examiner, certifying to his successful completion thereof.

CONDITIONAL ADMISSION.

A student whose preparation is deficient in not more than one of the two subjects, namely Physics, and German or French, may be admitted to the freshman class upon the condition that such work will be completed before entrance upon the second year's work. No applicant will be admitted, however, who is deficient in the required work in biology or chemistry. All conditions are subject to the approval of the Dean.

ADMISSION TO ADVANCED STANDING.

No student will be admitted to advanced standing who has not complied fully with the requirements for admission to this college. Credits will be given to students from other recognized medical institutions, the requirements for admission and standard of work of which are equivalent to those of this college; upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college, as well

as evidence of the exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the Dean. In the near future, two years of college work will be required as prerequisite for entrance.

PRE-MEDICAL COURSE.

For the required year of college biology, chemistry, physics and modern language, the pre-medical student is advised to complete the following courses in the University College of Literature, Science and the Arts at Eugene, or equivalent courses elsewhere: Chemistry 1, Physics 1 and 3, Zoology 1 and 2, and the German for which he is prepared. For further pre-medical study the student is advised to choose work in Chemistry, Drawing, English, German, History, Psychology, Sociology and Zoology.

Inasmuch as four years of residence in a recognized medical college is required for the degree of Doctor of Medicine, no time credit is granted for work done at Eugene, or in other non-medical schools, but subject credit may be given for satisfactory work if approved by the Dean, and the head of the Medical College department concerned.

REQUIREMENTS FOR GRADUATION.

The following are the requirements of the candidates for the degree of Doctor of Medicine:

He must be at least twenty-one years of age, and of good moral character.

He must have finished four full medical courses of eight months each, no two of which shall have been taken within the same twelve months, and the last of which must have been taken in this college.

He must have paid all fees due the college.

He must have secured satisfactory standing in all examinations and he must be present at commencement exercises and receive his diploma in person unless excused for good reason by the faculty.

THE CURRICULUM.

The curriculum consists of four annual sessions of eight months (two semesters) each. The first two years are devoted chiefly to the fundamental branches: Anatomy, both gross and minute,

Physiology, Physiological Chemistry, Neurology, Embryology, Pathology, Pharmacology, Bacteriology, Materia Medica and Toxicology.

The last two years embrace the clinical branches: Medicine, Surgery, Therapeutics, Clinical Pathology, Obstetrics, Gynecology, Nervous and Mental Diseases, Genito-Urinary Diseases, and Diseases of the Eye, Ear, Nose and Throat.

The student approaches the practical subjects of the third year, after completion of those subjects preparatory to practical medicine. The Principles of Medicine, Surgery and Obstetrics are taken up in recitations, in sections at the dispensary, and in the clinics. Clinics, lectures, recitations and demonstrations are conducted in Medicine, Surgery, Nervous Diseases, Gynecology, Eye, Ear, Nose and Throat, Genito-Urinary Diseases, Dermatology and Pediatrics.

Classes are sufficiently small to allow to each student the advantages of much personal instruction.

GENERAL INFORMATION.

ROUTINE OF ENTRANCE.

All applications should be addressed to the Dean, Medical Department, University of Oregon, Twenty-third and Lovejoy streets, Portland, Oregon.

Students contemplating entrance to this college should apply for blank admission forms, which must be carefully filled out and returned to the dean's office, together with credentials of work in previous schools.

MATRICULATION AND REGISTRATION.

The new student is required to present, on matriculation day, (a) his admission credits, if not previously presented; (b) his letter of honorable dismissal from previous college; (c) a certificate of good moral character; and (d) must pay the matriculation fee and fees and deposits for the ensuing term.

Any of the above may be done by correspondence or otherwise, but the student must present himself on registration day for approval of credentials and assignment to classes.

Application for admission will not be considered later than October 7, and an extra charge of five dollars (\$5.00) will be made for registration later than September 30.

Matriculation and registration will be conducted at the office of the Assistant Dean in the college building on September 28, 29 and 30, from 9 to 12 a. m.

The Dean shall have the right to reject any applicant for admission.

FEEs AND DEPOSITS.

Matriculation fee—The matriculation fee is five dollars (\$5.00), and is required of every student entering the college and is payable but once.

Tuition—The tuition for each year is one hundred and fifty dollars (\$150.00) and is payable at the beginning of the school term. Those preferring to pay tuition in two payments may do so by paying eighty dollars (\$80.00) at the beginning of the first semester and seventy-five dollars (\$75.00) at the beginning of the second. This fee includes the laboratory and special fees formerly required in certain courses in addition to the regular tuition fee.

Breakage Deposit—A deposit of ten dollars (\$10.00) is required of each student at the beginning of each year for general breakage. The cost of damage done by an individual to college property will be deducted from his deposit; and, in case the identity of the one responsible cannot be established, a pro rata charge will be made against the entire class of which he is a member. The remainder of this deposit will be returned at the end of each school year.

At the request of the student body, a fee of one dollar (\$1.00) will be charged each student at the time of registration for membership in that body.

All fees are payable in advance at the time of matriculation. In a limited number of cases some accommodation may be given, but such will be granted in order of matriculation and must be arranged for with the Dean, at the time of matriculation.

Fees are not returnable at any time, except by special action of the faculty.

The faculty reserves the right to make changes in curriculum, fees or any other matter at any time.

SPECIAL STUDENTS.

Students who register for special work, and who are not candidates for the degree of Doctor of Medicine, will be charged tuition

according to the amount of work undertaken and the nature of the courses, viz.: Laboratory, Clinical, or Didactic.

POST GRADUATES.

Graduates of this or other colleges who are visiting the city for a brief time are cordially invited to attend the various clinics and lectures, but those intending to take any definite course must arrange with the Dean.

BOARD AND LODGINGS.

Good rooms with all modern conveniences can be obtained in the vicinity of the college at from \$8.00 to \$15.00 a month. Board may be had at from \$12.00 to \$18.00 a month; and room and board together may be obtained at from \$20.00 to \$30.00 a month.

BOOKS AND INSTRUMENTS.

The average annual cost of books, instruments and other supplies varies from \$15.00 to \$25.00.

LOCKERS AND MICROSCOPES.

Lockers will be assigned for the laboratory courses and a deposit of fifty cents must be made when key for same is received. Microscopes are rented at a cost of \$2.50 per semester.

RESUME OF WORK.

The following is an outline of the work. The curriculum is largely prescribed and this resume includes only that work required of every student. The hours have been figured on a basis of fifteen weeks to a semester. There will be, however, sixteen weeks of actual work in each semester which will considerably increase the total number of hours.

FIRST YEAR.

	Hours per Week.		Hours per Semester.	
	Labora- tory.	Lecture.	Labora- tory.	Lecture.
<i>First Semester:</i>				
Chemistry—				
(Organic)	3	3	45	45
Physiological Chemistry	3	2	45	30
Anatomy—				
Gross	9	2	135	30
Histology	6	2	90	30
Osteology	4	—	60	—
<i>Second Semester:</i>				
Physiological Chemistry	9	2	135	30
Anatomy—				
Gross	9	3	135	45
Neurology	4	2	60	30
Embryology	4	2	60	30
			765	270
Total.....			1,035 Hours.	

SECOND YEAR.

<i>First Semester:</i>				
Physiology	3	2	45	30
Anatomy—				
Gross	9	2	135	30
Pathology	4	3	60	45
Pharmacology	4	3	60	45
Materia Medica	3	1	45	15
			345	165
<i>Second Semester:</i>				
Chemistry—				
(Toxicology)	2	3	—	45
Physiology	6	3	90	45
Pathology	4	3	60	45
Bacteriology (1913)	9	3	135	45
Physical Diagnosis	2	2	30	30
			315	210
Total.....			1,035 Hours.	

THIRD YEAR.

	Hours per Week.		Hours per Semester.	
	Laboratory or	Clinic Lecture.	Laboratory or	Clinic Lecture.
<i>First Semester:</i>				
Pathology	3	2	45	30
Bacteriology (1912)	9	....	135	....
Physiology'	2	1	30	15
Medicine—				
Recitation	0	3	....	45
Physical Diagnosis	0	2	30	....
Clinic	1	....	15	....
Laboratory Diagnosis	4	....	60	....
Therapeutics	0	2	....	30
Surgery—				
Recitation	0	2	....	30
Clinic (minor)	1	....	15	....
Obstetrics	0	3	....	45
			345	195
<i>Second Semester:</i>				
		Clinic Lecture.		Clinic Lecture.
Medicine—				
Recitation	0	3	....	45
Nervous Diseases	0	2	....	30
Dermatology	0	2	....	30
Clinics	1	....	15	....
Dispensary	2	....	30	....
Surgery—				
Recitation	0	2	....	30
Clinic	2	....	30	....
Dispensary	2	....	30	....
Obstetrics	0	3	....	45
Genito-Urinary Diseases	1	2	15	30
Gynecology	0	2	....	30
Eye, Ear, Nose and Throat	0	4	....	60
Special Anatomy	0	2	30	....
			150	300
Total.....			990 Hours.	

FOURTH YEAR.

Hours per Week. Hours per Semester.
First Semester: Clinic Lecture. Clinic Lecture.

Medicine—

Clinic (Yenney)	3	....	45	....
Clinic (Koehler)	1	....	15	....
Clinic (Gilbert)	2	....	30	....
Clinic (Bell)	1	....	15	....
Nervous Diseases	1	2	15	30
Pediatrics	0	2	....	30
Dermatology and Syphilis	0	1	....	15
Hygiene and Sanitation	0	1	....	15
Dispensary	2	....	30	....

Surgery—

Sur. Clinic (Mackenzie)	5	....	75	....
Sur. Clinic (Wilson)	2	....	30	....
Sur. Clinic (Baird)	1	....	15	....
Operative Surgery	2	....	30	....
Dispensary	2	....	30	....
Obstetrics	1	....	15	....
Gynecology	1	....	15	....
Eye, Ear, Nose and Throat	1	2	15	30
Genito-Urinary Diseases	1	2	15	30
			390	150

Second Semester:

Medicine—

Clinic (Bell)	1	....	15	....
Clinic (Yenney)	3	....	45	....
Clinic (Gilbert)	2	....	30	....
Clinic (Koehler)	1	....	15	....
Lectures	0	3	....	45
Pediatrics	0	3	....	45
Dietetics	0	1	....	15
Nervous (Clinic)	1	....	15	....
Jurisprudence	1	....	15	....
Electro Therapy	0	2	....	30

FOURTH YEAR—Continued.

<i>Second Semester: Continued.</i>	Hours per Week.		Hours per Semester.	
	Clinic	Lecture.	Clinic	Lecture.
Surgery—				
Clinic (Mackenzie)	5	....	75	....
Clinic (Wilson)	2	....	30	....
Clinic (Baird)	1	....	15	....
Clinic (Ziegler)	1	....	15	....
Lecture	0	2	....	30
Orthopedic	0	1	....	15
Gynecology	1	....	15	....
Genito-Urinary	1	....	15	....
Eye, Ear, Nose and Throat	2	....	30	....
			330	180
Total.....			1,050	Hours
Grand Total.....			4,120	Hours

DEPARTMENTS OF INSTRUCTION.

I. ANATOMY.

PROFESSOR DILLEHUNT, DR. CREADICK, DR. JESSOP,
DR. BENDER, DR. BISAILLON.

The Department of Anatomy provides for instruction in Gross Human Anatomy, Histology, Neurology and Embryology. For the former there is a large, light, well-ventilated dissecting room, supplied with stone-top tables. The department possesses a complete set of Bocks' anatomical models; an excellent articulated skeleton with areas of muscular attachments outlined on all bones; several complete disarticulated skeletons and charts, to all of which the student has access. Dissecting material is abundant.

The Histology Laboratory is thoroughly equipped, each student having a private locker containing apparatus for fixing, cutting and staining specimens; a good microscope, and all other necessary material for use in minute anatomy. Neurology is given in the same laboratory during another term.

Embryology is taught chiefly from a study of the development of lower animals, but the department is equipped with eight of Pro-

fessor Ziegler's wax models of the human embryo, and with several preserved specimens of the human embryo and fetus.

Human Dissection and Osteology.

The work in human dissection is covered during the first year and the first semester of the second year. The time formerly allotted to laboratory work in osteology is now given to dissection and the anatomy of the bones and joints is taken up in the progress of the dissection of the part involved.

1. DISSECTION OF THE ARM AND THORAX.

The student makes a complete dissection of all structures, aided by demonstrations, text-books, atlases, and models. Each student is permitted the use of the disarticulated bones of the part which he is dissecting. The work is carried on under supervision of members of the department and is supplemented by frequent quiz. Dissection period 12 hours, quiz 3 hours a week, first semester, first year. Professor Dillehunt, Dr. Bender, Dr. Bisailon, Dr. Jessop.

Six credit hours.

2. DISSECTION OF THE LEG AND ABDOMEN.

Dissection period 12 hours, quiz 3 hours a week, second semester, first year.

Six credit hours.

3. DISSECTION OF THE HEAD AND NECK.

Dissection period 12 hours, quiz 3 hours a week, first semester, second year.

Six credit hours.

4. HISTOLOGY, CYTOLOGY, SPLANCHNOLOGY.

A complete course in minute human anatomy, beginning with a study of the cell and progressing through the structure of elementary tissues to the anatomy of the various organs and viscera. Lecture 2 hours, laboratory 6 hours a week, first semester, first year. Dr. Creadick.

Four credit hours.

5. NEUROLOGY.

This course involves a gross and microscopic study of the anatomy of the human brain and meninges, the spinal cord, peripheral nerves and their endings, and the organs of special sense. Lecture 2 hours, laboratory 6 hours a week, second semester, first year. Dr. Creadick.

Four credit hours.

6. EMBRYOLOGY.

A study of the development of the human embryo from conception to its separation from the maternal organism. Laboratory work is conducted in the study of sections of chick and pig embryos for the earlier stages; and wax models and preserved specimens of human embryos are used in the lectures and demonstrations. Lecture 2 hours, laboratory 4 hours a week, second semester, first year. Dr. Creadick. *Three credit hours.*

7. TOPOGRAPHICAL ANATOMY.

A course of lectures and demonstrations in surface anatomy, position of viscera, surgically important anatomy, etc. Lecture and quiz 2 hours a week, first semester, third year. Professor Dillehunt. *Two credit hours.*

II. PHYSIOLOGY.

PROFESSOR MACLAREN,

PROFESSOR CONNOLLY.

The Department of Physiology has two student laboratories and an animal room. The main laboratory, on the third floor of the College Building, is arranged for animal experiments and contains the department library.

The modern equipment includes several complete sets of the Harvard physiology apparatus with other mechanisms, balances, glassware, reagents, thermometers and repair tools. There is a complete equipment for graphic records with different kymographs and an electric clock.

For mammalian experiments there are tables, animal holders, instruments and anaesthetic apparatus. For experiments on man and the study of the senses there are sets of the most approved physical, microscopical and clinical mechanisms.

The laboratory for physiological chemistry, on the second floor of the College Building, is provided with the purest chemicals, and complete testing outfits, including nitrogen and ammonia apparatus, an electric centrifuge, a polarimeter and a spectroscope.

During the first year the chemical phases of physiology are emphasized, including organic and physiological chemistry, with the physiology of digestion, metabolism and excretion. During the second year the physical and psychological phases are included in a complete study of human physiology. In the third and fourth

years the applications of physiology to medicine and surgery and experimental medicine are considered.

1. CHEMICAL PHYSIOLOGY.

A study of protoplasm and its products in digestion and secretion. Lectures 2 hours a week, first semester, laboratory 6 hours a week, second half first semester, first year. Professor Connolly.

Three credit hours.

2. CHEMICAL PHYSIOLOGY.

A continuation of Course 1, including metabolism and excretion with a study of the blood and the other tissues. Lectures 2 hours, laboratory 9 hours a week, second semester, first year. Professor Connolly.

Five credit hours.

3. HUMAN PHYSIOLOGY.

Advanced studies of the circulation, respiration and nutrition. Reference texts: Howell, Starling. Lectures 3 hours, laboratory 6 hours a week, second semester, first year. Professor MacLaren.

Five credit hours.

4. HUMAN PHYSIOLOGY.

The continuation of Course 3, including muscle, nerve, brain, senses, mind and growth. Lectures 3 hours, laboratory 6 hours a week, first semester, second year. Professor MacLaren.

Five credit hours.

5, 6. CLINICAL PHYSIOLOGY.

Medical physiology, surgical physiology and the use of apparatus of precision for the diagnosis of disease. Elective for third year students. Hours to be arranged. Professor MacLaren, Professor Connolly.

Five credit hours, both semesters.

7, 8. RESEARCH PHYSIOLOGY.

The application of the newer researches to medicine and surgery. Laboratory practice in experimental medicine. Elective for fourth year students. Hours to be arranged. Professor MacLaren, Professor Connolly.

Five credit hours, both semesters.

III. PATHOLOGY AND BACTERIOLOGY.

PROFESSOR BENSON, ACTING PROFESSOR ARMS, DR. SMITH,
DR. ELSE, DR. NORTON.

This department possesses all the necessary facilities for the study of pathology, both gross and minute. The museum is abundantly supplied with pathological material.

In the laboratory there is furnished for microscopical study a complete set of pathological sections, which are drawn by the student in colored inks, fully described, and the abstracts of literature pertaining to each subject inserted with the same and incorporated as a note book.

The pathological department of St. Vincent's Hospital being under the direction of the head of this department, furnishes an abundance of fresh material which as it is brought in is studied, and microscopic sections are made for study and diagnosis. The laboratory work is supplemented by lectures, recitations and demonstrations. A thorough and systematic study is made of the technique of post mortem examinations and the knowledge derived therefrom.

The bacteriology laboratory is on the second floor of the College Building, and has a north exposure for microscopical work. To each student is assigned a locker containing all necessary equipment for the study of micro-organisms; and the laboratory contains an excellent incubator, autoclaves, and other modern bacteriologic apparatus.

1. PATHOLOGICAL HISTOLOGY AND GENERAL PATHOLOGY.

A laboratory course in general pathology, comprising the study of prepared slides supplemented by experiments; the study of fresh and museum specimens, lectures and recitations. Lectures 3 hours, laboratory 4 hours a week, first semester, second year. Professor Benson.
Five credit hours.

2. THE DIAGNOSIS AND HISTOLOGY OF TUMORS.

A systematic study of tumors, dealing with the microscopical diagnosis and gross characteristics. Lecture 3 hours, laboratory 4 hours a week, second semester, second year. Professor Benson.
Five credit hours.

3. SPECIAL PATHOLOGICAL ANATOMY AND HISTOLOGY.

Instruction is given in the methods of post mortem technique. Study of the gross and microscopical appearance of diseased organs and tissues is made with reference to their clinical features. Lecture 2 hours, laboratory 2 hours a week, first semester, third year. Dr. Else. *Three credit hours.*

4. THE STUDY OF MUSEUM SPECIMENS.

The museum specimens are described and the student studies their characteristics and clinical features from a standpoint of diagnosis. 1 hour a week, first semester, third year. Dr. W. E. Smith. *One credit hour.*

5. RESEARCH IN PATHOLOGY AND ADVANCED LABORATORY METHODS.

Open to specially qualified students. Hours to be arranged. Professor Benson.

6. BACTERIOLOGY.

A thorough study of the classifications of micro-organisms and of the properties of each, with instruction in methods of preparation of culture media. The important pathogenic micro-organisms are studied in detail as regards morphological, cultural, and staining characteristics and motility. The technique of bacteriology examinations, and the preparation of vaccines and sera will be covered. Lectures 3 hours, laboratory 9 hours a week, second semester, second year. Associate Professor Arms. *Six credit hours.*

IV. CHEMISTRY AND TOXICOLOGY.

PROFESSOR BINSWANGER,

PROFESSOR CONNOLLY.

The chemical laboratory is on the second floor of the College Building and is well lighted and fully supplied with chemical apparatus. The latter will be increased for this session. Chemistry is taken up in lecture, supplemented by demonstrations, and laboratory work.

1. ORGANIC CHEMISTRY.

Lectures on hydro-carbons, alcohols, aldehydes, ketones, fats, coal-tar compounds, carbo-hydrates, amines, amides, glucosides and alkaloids. 3 hours a week, first semester, first year. Professor Binswanger. *Three credit hours.*

1a. ORGANIC CHEMISTRY.

A laboratory course supplementary to Course 1. Laboratory 6 hours a week, first half first semester, first year. Professor Connolly. *Two credit hours.*

V. PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR McLEAN, DR. FENTON.

The laboratory for work in pharmacology and materia medica was newly equipped throughout in 1911. Modern apparatus and preparations of all potent drugs are on hand for laboratory work on animals. A complete collection of crude drugs is kept in the laboratory and there are ample facilities for the use of students in compounding prescriptions.

1. PHARMACOLOGY.

A thorough lecture and laboratory course in the physiological action of various drugs. The class is divided into small groups, each of which performs experiments illustrating the influence exerted by various drugs upon the muscular, nervous, respiratory, circulatory, digestive and excretory systems. This work is supplemented by lectures and quizzes, and laboratory work in toxicology. Lecture 4 hours, laboratory 3 hours a week, first semester, second year. Professor McLean. *Five credit hours.*

2. MATERIA MEDICA.

This course embraces a series of lectures, quizzes and laboratory periods, treating of the chemistry and physical properties of medicinal drugs, and medical pharmacy. The student is given thorough work in writing and compounding prescriptions. Lecture 4 hours, laboratory 3 hours a week, second semester, second year. Professor McLean. *Five credit hours.*

3. THERAPEUTICS.

A lecture and recitation course in the practical application of medicinal drugs to pathological conditions, including a review of prescription writing. 2 hours a week, first semester, third year. Dr. Fenton. *Two credit hours.*

4. ELECTRO-THERAPEUTICS.

This branch of therapeutics will be presented by lectures, demonstrations and clinics as a part of the course in Electricity and Radiography. 2 hours a week, second semester, fourth year. Dr. Walker.

VI. MEDICINE.

PROFESSOR BELL, PROFESSOR YENNEY, ASSISTANT PROFESSOR GILBERT, ASSISTANT PROFESSOR WHITE, DR. KOEHLER, DR. TAYLOR, DR. JONES, DR. WALKER, DR. SELLING, DR. KNOX, DR. BOOTH.

The Department of Medicine includes Internal Medicine, Pediatrics, Nervous and Mental Diseases, and Dermatology and Syphilology.

INTERNAL MEDICINE.

Medicine is taught at first didactically by recitation from assignments, by practical work in physical diagnosis, and clinical laboratory work. Later the student is brought more closely in touch with the patient by clinics in hospitals and work in the dispensary.

1. MEDICINE RECITATION.

A course of quizzes in the principles of medicine from definite assignments in a one-volume medicine. 3 hours a week, first semester, third year. Dr. Knox. *Three credit hours.*

2. MEDICINE RECITATION.

A continuation of Course 1. 3 hours a week, second semester, third year. Dr. Knox. *Three credit hours.*

3. PHYSICAL DIAGNOSIS.

A lecture and practical course in methods of physical examination with demonstrations and practice in percussion, auscultation, etc. 2 hours a week, second semester, second year. Dr. Booth.

Two credit hours.

3a. PHYSICAL DIAGNOSIS.

A continuation of Course 3 with work in pathological conditions. 2 hours a week, first semester, third year. Dr. Booth.

Two credit hours.

4. LABORATORY DIAGNOSIS.

A practical course in the laboratory in which the student is taught the chemical, microscopical, and bacteriologic examination of blood, urine, sputum, gastric contents, feces, secretions, exudates, etc., and their pathologic and clinical significance. 4 hours a week, first semester, third year. Associate Professor Connolly.

Two credit hours.

5. MEDICINE CLINIC.

A clinic devoted chiefly to instruction in the essentials of theoretical and practical medicine. 1 hour a week, entire fourth year. First, second Wed., St. Vincent's Hospital. Professor Bell.

One credit hour.

6. MEDICINE CLINIC.

A clinic in internal medicine confined to the Senior year. 2 hours a week, entire fourth year. St. Vincent's Hospital. Assistant Professor Gilbert.

Two credit hours.

7. MEDICINE CLINIC.

A clinic paying especial attention to pathology and diagnosis. 4 hours a week, entire fourth year. Multnomah Hospital. Professor Yenney.

Four credit hours.

8. MEDICINE LECTURE.

A clinic or lecture in medicine with special stress on diseases of the stomach and intestines. 2 hours a week, third year. Dr. Koehler.

One credit hour.

9. LECTURE AND CONFERENCE IN MEDICINE.

A lecture course with frequent quizzes on the more important and more prevalent diseases. 4 hours a week, second semester, fourth year. Professor Bell.

Four credit hours.

10. HYGIENE AND SANITATION.

A course treating of practical hygiene with instruction in municipal sanitation, food control and garbage destruction, and the relation of these to public health. 2 hours a week, second semester, third year. Assistant Professor White.

Two credit hours.

11. DIETETICS.

A course involving the values of foods and the methods of variance of foods in certain diseases. 1 hour a week, second semester, fourth year. Dr. Taylor. *One credit hour.*

12. RADIOLOGY AND ACTINOTHERAPY.

A course in electricity as applied to medicine and surgery, including the use of the X-Ray in diagnosis and therapy. 2 hours a week, second semester, fourth year. Dr. Walker. *Two credit hours.*

13. DISPENSARY.

A course in the dispensary in which small groups are assigned to the medical side, and are given practice in writing histories, physical diagnosis, laboratory work, clinical observation and treatment. 4 hours a week, second semester, third year, or first semester fourth year. Dr. Koehler, Dr. Shea, Dr. Booth, Dr. Menzies, and others. *One credit hour.*

VII. NERVOUS AND MENTAL DISEASES AND MEDICAL JURISPRUDENCE.

PROFESSOR JOSEPHI, ASSISTANT PROFESSOR HOUSE.

The work of this department is confined to the third and fourth years, and is conducted didactically and clinically as well as by the work in the dispensary.

1. INTRODUCTION TO NERVOUS DISEASES.

A course dealing with the applied anatomy, and physiology of the nervous system, and methods of diagnosis in nervous diseases. 1 hour a week, first semester, third year. Assistant Professor House. *One credit hour.*

1a. NERVOUS DISEASES.

A lecture and conference course dealing with the pathology, symptomatology, diagnosis and treatment of the common nervous diseases. 2 hours a week, second semester, third year. Professor Josephi. *Two credit hours.*

2. DISEASES OF THE MIND, AND NERVOUS SYSTEM.

A more advanced course in the pathological conditions of the nervous system and in insanity. 2 hours a week, first semester, fourth year. Professor Josephi. *Two credit hours.*

3. CLINIC.

A clinic in nervous and mental diseases. 1 hour a week, entire fourth year. Multnomah Hospital. Assistant Professor House.

One-half credit hour.

4. MEDICAL JURISPRUDENCE AND MEDICAL ETHICS.

A course of lectures and recitations in forensic medicine and medical ethics and economics. 1 hour a week, second semester, fourth year. Assistant Professor House.

One credit hour.

VIII. PEDIATRICS.

PROFESSOR LABBE, DR. BILDERBACK, DR. ROSENFELD.

Instruction in this department is conducted by means of lectures, conferences and clinical work at the dispensary.

1. ANATOMY, PHYSIOLOGY, AND HYGIENE OF INFANCY AND CHILDHOOD.

Lectures and quizzes are conducted in the anatomy, physiology, and hygiene of infancy and childhood, and principles of infant feeding, and in the disorders of nutrition in infancy. 2 hours a week, first semester, fourth year. Dr. Bilderback.

Two credit hours.

2. DISEASES OF INFANCY AND CHILDHOOD.

A conference and lecture course in diseases of infancy and childhood. 3 hours a week, second semester, fourth year. Professor Labbe.

Three credit hours.

3. DISPENSARY WORK IN PEDIATRICS.

This branch is treated as a part of the medicine dispensary. Professor Labbe, Dr. Bilderback, Dr. Rosenfield.

IX. DERMATOLOGY AND SYPHILOLOGY.

ASSISTANT PROFESSOR KING, DR. PAYNE, DR. PARKER.

Lectures, recitations, demonstrations and clinical work will be conducted in dermatology and syphilis in the clinical years.

1. INTRODUCTORY DERMATOLOGY.

A lecture and recitation course in the fundamentals of dermatology and in the more prevalent diseases of the skin. Illus-

trative cases will be exhibited from time to time. 2 hours a week, second semester, third year. Assistant Professor King.

Two credit hours.

2. DERMATOLOGY AND SYPHILLIS.

A continuation of Course 1. 1 hour a week, first semester, fourth year. Assistant Professor King.

One credit hour.

3. CLINIC IN VENEREAL DISEASES.

A clinic at Multnomah Hospital dealing chiefly with syphilis. 1 hour a week, entire fourth year. Assistant Professor Whiteside.

One-half credit hour.

X. SURGERY.

PROFESSOR MACKENZIE, PROFESSOR WILSON, ASSOCIATE PROFESSOR ZAN, ASSISTANT PROFESSOR BAIRD, DR. ZIEGLER, DR. PEASE, DR. AKIN.

Surgery is approached didactically in lectures, and in recitations in the principles of surgery, from text assignments throughout the Junior year. Clinical work is conducted in the nearby hospitals in the third and fourth years. Minor surgery is taught clinically and at the dispensary, and operative surgery is presented in the fourth year, during which each student is required to do actual surgical work on the cadaver. Each Senior student is assigned in rotation to take part as assistant in surgical operations and as anaesthetist under proper supervision, in the clinic.

1. SURGICAL RECITATION.

A course of quizzes in the principles of surgery and surgical pathology from definite assignments in a one-volume text-book of surgery. 2 hours a week, first semester, third year. Associate Professor Zan.

Two credit hours.

2. SURGERY RECITATION.

A continuation of Course 1. 2 hours a week, second semester, third year. Associate Professor Zan.

Two credit hours.

3. SURGICAL CLINIC.

Minor surgery is taught clinically by demonstrations of technique in elementary surgery, bandaging, care of the injured, etc.

1 hour a week, first semester, third year. St. Vincent's Hospital.
Dr. Ziegler. *One-half credit hour.*

3a. SURGICAL CLINIC.

A clinic in general surgery. 1 hour a week, first semester, third year. 11-12 Wed. Dr. Hamilton.

3b. SURGICAL CLINIC.

A clinic in general surgery. 1 hour a week, second semester, third year. Dr. Hamilton. *One-half credit hour.*

4. SURGICAL CLINIC.

A clinical course in general surgery paying especial attention to operative technique and after treatment. 5 hours a week, first semester, fourth year. Professor Mackenzie. St. Vincent's Hospital. *Three credit hours.*

4a. SURGICAL CLINIC.

Continuation of Course 4. 5 hours a week, second semester, fourth year. Professor Mackenzie. St. Vincent's Hospital. *Three credit hours.*

5. SURGICAL CLINIC.

A clinic in general surgery, dealing chiefly with fractures and other lesions of bones. 2 hours a week, first semester, fourth year. Professor Wilson. *Two credit hours.*

6. SURGICAL CLINIC.

A clinic in general surgery with especial attention to surgical pathology. 1 hour a week, entire fourth year. Multnomah Hospital. Assistant Professor Baird. *One-half credit hour.*

7. COMMON SURGICAL DISEASES.

A lectures and conference course involving a discussion of the pathology, diagnosis, and treatment of the more common surgical diseases. 2 hours a week, second semester, fourth year. Assistant Professor Baird. *Two credit hours.*

8. ORTHOPEDIC SURGERY.

A lecture and clinical course in orthopedic surgery. 2 hours a week, second semester, fourth year. Dr. Akin. *Two credit hours.*

9. OPERATIVE SURGERY.

A course in surgery on the cadaver presented by lecture, demonstration and individual work by each student on the cadaver. 3 hours a week, second semester, fourth year. Dr. Pease, Dr. Rockey.
Three credit hours.

10. SURGICAL DISPENSARY.

A practical course in surgery, giving the student opportunity to do individual work in minor surgery at the dispensary. 2 hours a week, second semester, third year, or first semester, fourth year. Assistant Professor Baird, Dr. McCusker, Assistant Professor Whiteside, Dr. Pease and others.
One credit hour.

XI. OBSTETRICS.

PROFESSOR STORY, ASSISTANT PROFESSOR ELLIS,
ASSISTANT McCUSKER, DR. SCOTT.

Obstetrics is taught in the third and fourth years in lecture, recitation, and practical courses. Normal and pathological cases are demonstrated in hospital clinics and the out-patient service. Practical work is done by each student on the manikin and in the conduct of labor, under proper supervision in out-patient work.

1. INTRODUCTORY OBSTETRICS.

A lecture and recitation course in the anatomy and physiology of pregnancy, the diagnosis and management of normal pregnancy, and the clinical phenomena of normal labor. 3 hours a week, first semester, third year. Assistant Professor McCusker.
Three credit hours.

2. ADVANCED OBSTETRICS.

A lecture, conference and practical course in the conduct of labor and the diagnosis and treatment of pathologic conditions of pregnancy, labor and the puerperium. 3 hours a week, second semester, third year. Wednesday, Friday. Professor Story.
Three credit hours.

3. PRACTICAL OBSTETRICS.

A conference, and practical course in conduct of labor and management of abnormal presentations and other complications of labor. Each student is required to do practical work with the manikin. 1 hour a week, first semester, fourth year. Dr. Ellis.
One credit hour.

4. CLINICAL OBSTETRICS.

Cases of confinement will be demonstrated and Senior students will be allowed to assist in the conduct of labor in the maternity departments of the various hospitals and in the out-patient service. Hours to be arranged—entire fourth year. Professor Story, Assistant Professor McCusker, Dr. Scott. *Two credit hours.*

XII. GYNECOLOGY

PROFESSOR TUCKER, ASSISTANT PROFESSOR WIGHT.

Gynecology is taught by lectures, recitations, clinics and dispensary work in the third and fourth years.

1. GYNECOLOGY

Lectures and recitations in the anatomy, physiology and pathology of the female pelvic viscera, methods of gynecological examination, and the diagnosis and treatment of pelvic diseases. 2 hours a week, second semester, third year. Assistant Professor Wight.

Two credit hours.

2. CLINICAL GYNECOLOGY

Lectures and clinics in the clinical diagnosis and medical and surgical treatment of diseases of women. 2 hours a week, first semester, fourth year. Professor Tucker.

Two credit hours.

3. PRACTICAL GYNECOLOGY

Dispensary work will be assigned to senior students. Hours to be arranged.

XIII. GENITO-URINARY DISEASES

PROFESSOR MACKAY, ASSISTANT PROFESSOR WHITESIDE.

Diseases of the genito-urinary tract will be considered didactically and clinically in the junior and senior years. Practical work will be given at the dispensary in cystoscopy, urethral, catheterization and modern methods of treatment.

1. LECTURE AND CONFERENCE

Lecture and conference in anatomy and physiology of the genito-urinary tract and study of the diseases affecting it. 2 hours a week, second semester, third year. Professor Mackay. *Two credit hours.*

2. CONTINUATION OF COURSE

With presentation of clinical work and accurate methods of diagnosis and treatment. 2 hours a week, first semester, fourth year. Professor Mackay. *Two credit hours.*

3. DISPENSARY WORK IN GENITO-URINARY DISEASES.

Will be assigned as a part of the work in surgical dispensary. Assistant Professor Whiteside and others.

4. CLINIC

A clinic in the pathology, diagnosis, and treatment of genito-urinary diseases, and the use of the cystoscope and other diagnostic appliances. 1 hour a week, entire fourth year. Multnomah Hospital. Assistant Professor Whiteside. *One-half credit hour.*

XIV. OPHTHALMOLOGY, OTOTOLOGY, RHINOLOGY AND LARYNGOLOGY

PROFESSOR NUNN, ASSISTANT PROFESSOR COGHLAN, DR. RALPH FENTON, DR. KIEHLE, DR. AINSLEE.

These branches will be taught separately in the elementary work by means of lectures, demonstrations and recitations, and minor surgery, in the clinics during the junior year. A more advanced course will be given in the senior year, including major surgery.

1. EYE

A lecture and quiz course in the anatomy and physiology of the eye and its more prevalent diseases. 2 hours a week, second semester, third year. Dr. Ainslee. *Two credit hours.*

2. EAR, NOSE, AND THROAT

A course of lectures and quizzes in the anatomy and physiology of the ear, nose and throat, and the pathology, diagnosis and treatment of their disorders. 2 hours a week, second semester, third year. Dr. Kiehle. *Two credit hours.*

3. DISEASES OF THE EYE

An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye, ear, nose and throat. 2 hours a week, first semester, fourth year. Professor Nunn. *Two credit hours.*

4. DISEASES OF THE EAR, NOSE, AND THROAT

A more advanced course in the diseases of the ear, nose, and throat. 2 hours a week, second semester, fourth year. Assistant Professor Coghlan. *Two credit hours.*

5. CLINIC

A clinical course in diseases of the ear, nose, and throat at Multnomah Hospital. 1 hour a week, entire fourth year. Dr. Ralph Fenton. *One-half credit hour.*

6. CLINIC

A clinic in diseases of the eye. 1 hour a week, first semester, fourth year. Hours to be arranged. Free dispensary. Dr. Kiehle.

SCHOOL OF LAW

(Evening Classes).

FACULTY.

P. L. CAMPBELL, B. A., President.

CALVIN U. GANTENBEIN, LL. B., Dean and Lecturer on Criminal Law and Evidence.

WILLIAM B. GILBERT, LL. D., Lecturer on Constitutional Law.

CHARLES E. WOLVERTON, A. B., LL. D., Lecturer on Federal Procedure.

JOHN B. CLELAND, LL. B., Lecturer on Sales and Non-Contract Law.

HENRY H. NORTHUP, LL. B., Lecturer on Pleading, Practice and Probate Law.

WALTER H. EVANS, B. S., LL. B., Lecturer on Contracts and Negotiable Instruments.

FRANCIS D. CHAMBERLAIN, A. B., LL. B., Lecturer on Corporations and Partnership.

ARTHUR L. VEAZIE, A. M., LL. B., Lecturer on Real Property.

BENJAMIN B. BEEKMAN, A. B., LL. B., Lecturer on Agency.

THOMAS G. GREENE, LL. B., Lecturer on Bankruptcy.

OTTO J. KRAEMER, LL. B., Lecturer on Justices' Court Practice.

CLYDE B. AITCHISON, B. S., Lecturer on Water Rights.

THOMAS O'DAY, LL. B., Lecturer on Bailments and Carriers.

RICHARD WARD MONTAGUE, Ph. B., LL. B., Lecturer on Equity.

EARL C. BRONAUGH, A. M., LL. B., Lecturer on Domestic Relations.

ROBERT G. MORROW, Ph. B., Lecturer on Brief-Making and Supreme Court Practice.

CARLTON SPENCER, B. A., Secretary.

LOCATION.

The Law School is held in the city of Portland, which offers to the student of law many advantages not possessed by other cities. The District and Circuit Courts of the United States, of the State of Oregon for the Fourth Judicial District, the county court of Multnomah County, and the municipal and justices' courts are constantly in session, where questions touching every branch of the law are daily heard and determined.

The lectures are delivered in the Tilford Building. Each lecture with the accompanying recitation lasts about one hour. Lectures in the first year are on Mondays, Wednesdays and Fridays at 7:15 p. m.; in the second year, on Tuesdays, Thursdays and Saturdays at 7:15 p. m.; and in the third year on Mondays, Wednesdays and Fridays at 8:30 p. m.

The thirtieth session opens Monday, September 14, 1914.

The fact that the lectures and other exercises take place in the evening enables bank and government clerks and other persons engaged during the day to avail themselves of the privileges of the school.

REQUIREMENTS FOR ADMISSION.

All persons, irrespective of sex, are allowed to matriculate in the Law School. Applicants for admission to the first year class must be at least 18 years of age, to the second year class at least 19 years of age, and to the third year class at least 20 years of age.

Graduates of universities or colleges, and students who have completed an academical or high school course, are admitted to the department without examination as to preliminary requirements, and may become candidates for the Degree of Bachelor of Laws. In order to be entitled to this privilege, however, the applicant should present to the Secretary of the Department evidence that he comes within some one of the classes named, which should be in a form of a diploma or certificate, or a certified copy thereof.

At the close of each year students are examined on the subjects pursued during the year, and are not permitted to enter the next higher class unless they attain a general average of seventy per cent on all subjects included in the year.

COURSE OF INSTRUCTION.

The course of instruction extends through a period of three years of nine months each.

The aim of this school is to give its students as thorough and practical an education in the principles of the law as the length of the course will permit, and to prepare them for practice in the courts of any state, but particularly in those of Oregon. Recognizing the advantages and disadvantages of the exclusive use of either the lecture or the case method, the faculty endeavors so to

combine lectures with the use of text-books, and especially with the careful study of illustrative cases, as most thoroughly to qualify the student for the active work of his profession.

The lectures are delivered in the evening, and, so far as practicable, students who put themselves into timely communication with the secretary are connected with the best law offices of the city, where they may have an opportunity of familiarizing themselves with the conduct of business and the practical duties of the profession.

DEBATES.

Annual debates are held with the other law schools of the Coast. Tryouts are held to select two teams.

COMMENCEMENT.

Commencement exercises are held in Portland in May of each year. Addresses are given by the president of the University, by invited guests, and by members of graduating class.

FIRST YEAR.

FIRST TERM.

Criminal Law.—Clark's Criminal Law. Criminal Code of Oregon. Twenty lectures. Dean Gantenbein.

Domestic Relations.—Tiffany's Persons and Domestic Relations. Bellinger and Cotton's Codes of Oregon, Title XLII. Ten lectures. Judge Bronaugh.

SECOND TERM.

Contracts.—Clark on Contracts. General Laws of Oregon. Twenty lectures. Mr. Evans.

Agency.—Tiffany on Agency. General Laws of Oregon. Ten lectures. Mr. Beekman.

THIRD TERM.

Partnership.—Schumaker on Partnership. General Laws of Oregon. Ten lectures. Mr. Chamberlain.

Sales.—Burdick on Sales. General Laws of Oregon. Ten lectures. Judge Cleland.

Bailments and Carriers.—Hale on Bailments and Carriers. General Laws of Oregon. Ten lectures. Judge O'Day.

SECOND YEAR.

FIRST TERM.

Real Property.—Minor and Wurts on Real Property. General Laws of Oregon. Thirty lectures. Mr. Veazie.

SECOND TERM.

Torts.—Cooley on Torts. General Laws of Oregon. Twenty lectures. Judge Cleland.

Negotiable Instruments.—Norton on Bills and Notes. Bellinger and Cotton's Codes of Oregon, Secs. 4403-4594, inclusive. Ten lectures. Mr. Evans.

THIRD TERM.

Equity Jurisprudence.—Fetter or Bishpam on Equity. Bellinger and Cotton's Codes of Oregon, Title VI. Twenty lectures. Mr. Montague.

Corporations.—Clark on Corporations. Bellinger and Cotton's Codes of Oregon, Title XLI. Ten lectures. Mr. Chamberlain.

THIRD YEAR.

FIRST TERM.

Pleading, Practice and Probate Law.—Gould on Pleading. Bellinger and Cotton's Codes of Oregon, Titles I-V, inclusive, Titles VII and VIII, and Title XVI. Thirty lectures. Judge Northup.

SECOND TERM.

Constitutional Law.—Black's Constitutional Law. Twelve Lectures. Judge Gilbert.

Justice's Court Practice.—Bellinger and Cotton's Codes of Oregon, Title XX. Five lectures. Mr. Kraemer.

Brief Making and Supreme Court Practice.—Five lectures. Judge Morrow.

Bankruptcy.—Five lectures. Mr. Greene.

Water Rights.—Three lectures. Mr. Aitchison.

THIRD TERM.

Federal Procedure.—Hughes' Federal Procedure. Ten lectures. Judge Wolverton.

Evidence.—Hughes on Evidence. Bellinger and Cotton's Codes of Oregon, Titles IX-XI, inclusive. Twenty lectures. Dean Gantenbein.

LIBRARY.

The only books with which students are required to provide themselves are those used for purposes of text-book instruction, but they are advised to secure a copy of Bellinger and Cotton's Codes of Oregon in two volumes, as frequent reference is made to the Oregon statutes in connection with the instruction on all the subjects of the course.

Students in the Law School are allowed to use the Multnomah law library in the county court house, free of charge. This library contains the reports of every state in the Union, the reports of the federal courts, and numerous English reports, together with an extensive collection of treatises and text-books, both English and American, and copies of the statutes of the several states and of the United States. New reports, as they are issued, are added, as are new text-books and treatises of merit.

TEXT-BOOKS.

The books required by each student may be purchased as they are needed from the secretary, and will cost, for new copies of the latest edition, as follows:

FIRST YEAR.

Clark's Criminal Law, second edition	\$3.75
Peck on Domestic Relations	3.50
Anson on Contracts, second edition	3.50
Tiffany on Agency	3.75
Schumaker on Partnership, second edition	3.00
Burdick on Sales, third edition	3.25
Hale on Bailments and Carriers	3.75

SECOND YEAR.

Minor and Wurtz on Real Property	5.00
Cooley on Torts, students' edition	5.00
Ogden on Negotiable Instruments	4.00
Fetter on Equity	3.75
Sullivan on Corporations	2.00

THIRD YEAR.

Gould on Pleading, Hamilton's edition	4.00
Black's Constitutional Law, third edition	3.75
Hughes' Federal Procedure, second edition	3.75
Hughes on Evidence	4.00
Chase's Blackstone	6.00

DEGREE.

The degree of Bachelor of Laws will be conferred upon such students as pursue the full course of three years and pass the required written examinations. Students who have attended another approved law school for a period equal to one or two years of the course of this School of Law will be given due credit for such attendance.

FEES.

The tuition fee is \$60.00 for the first, \$75.00 for the second, and \$75.00 for the third year. The tuition is payable in advance at the office of the Secretary in three equal installments on or before the first day of each term. Admission to membership in the classes is not permitted until the fees are paid. Regular attendance is required, and no deduction will be made on account of absence or failure to begin at the opening of the year. The final examination fee upon completing the whole course of study, is \$10.00, payable on or before May 1, 1913.

For students taking special courses the fee will be at the rate of \$1.00 per lecture, payable in advance. Special students may, on application to the secretary, receive an official certificate of attendance, showing the subject or subjects pursued, and the degree of attainment.

The right to change any or all announcements in this catalogue, except as to fees, is hereby reserved.

Applications for admission and requests for further information will be addressed to

CARLETON SPENCER,
Tilford Building,
Portland, Oregon.

SUMMER SESSION

FACULTY

The faculty of the Summer School consists of the President of the University and of the professors and assistant professors giving instruction therein.

The tenth annual summer session of the University of Oregon will open Friday, June 26, 1914. June 26 and 27 will be registration days. Lectures begin Monday, June 29, at 8 o'clock. The session closes Friday, August 7, 1914.

PURPOSE OF THE SESSION

The University in offering this six weeks' summer session aims to extend the opportunity of its equipment, library and instructional organization to those persons who have this period open for study and who, in most cases, are fully employed otherwise during the regular college year.

Especially important among those whom the Summer School is designed to help is the great body of public and private school teachers. A custom which is well nigh universal accords to teachers a free time during three or four months in summer. While this is called *vacation*, yet the progress in professionalizing the teacher's calling has caused a great change in the earnest teacher's idea of the way to spend the vacation period. Since average members of other professions, and also most business men, limit their vacations to one month or less, the argument that the teacher requires the entire free period for physical recuperation or play becomes untenable. Moreover, it is now well understood that a change of occupation and of environment serves recreational ends quite as well as does the complete abandonment of systematic work. A recognition of these facts, coupled with the growing conviction that the summer vacation forms a peculiar opportunity for the teacher to advance his professional equipment and standing, has everywhere given impulse to systematic vacation study which is today crowding the summer schools in all of the recognized centers of learning.

CLASSES OF TEACHERS BENEFITED

During the earlier history of the university summer schools the theory was followed that their benefits were practically

limited to school superintendents, supervisors, principals and teachers in the secondary school grades. The reason for this limitation lay in the fact that usually only teachers in these higher positions were expected to carry forward their intellectual training while in service. The teacher in the elementary grades, while she was expected to improve her teaching attitude and dexterity through the periodic study of the new methods applicable in her work, was not required to extend her education beyond that implied in the certificate admitting her to the school room. The difference in salary between her and the high school teacher was one reason for the difference in requirements. The other was the widespread feeling that no extended or thorough education was requisite as a preparation for teaching children in the elementary grades.

NEW REQUIREMENTS OF GRADE TEACHERS

Today both factors are changed. The grade teacher in every progressive city school system now has a professional status similar to that of the high school teacher. Her work is recognized as of equal importance and of equal difficulty, and the compensation for it has accordingly advanced to almost the same plane. Moreover, it is now coming to be recognized by School Boards and Superintendents that in every grade, the well educated teacher is worth incomparably more than the poorly educated one; that every increment of genuine learning shows itself in the teacher's influence on the intellectual and moral development of the children under her charge. Accordingly, the ideal of a college education or its equivalent is already coming to be normal in the best city school systems and there can be no doubt that we are entering upon a period in which such training will be generally required of teachers having a comfortable and assured status whatever grade they teach.

DISTINCT FIELD OF THE OREGON SUMMER SCHOOL

There is a very large class of persons who have not yet reached the status indicated above, who still lack some portion of the normal school training necessary to fit them fully for the practice of the teaching profession. Or, they lack the training in the common studies required by law for a teacher's certificate. The needs of these persons, and also the needs of those seeking training in special subjects like domestic science, agriculture, etc., are fully met in

other summer schools conducted by Oregon State institutions. The University Summer School ministers chiefly to those who would be prepared to enter its courses as either regular or special students.

TERMS OF ADMISSION

The presentation of 15 credit hours of high school work, which shall include three years of English, two years of mathematics and two years of some foreign language, admits to full Freshman standing in the University as a regular student, provided such student desires to pursue one of the regular courses of study for the usual number of hours per week. One similarly prepared may have the privilege, within certain restrictions, of selecting special studies and carrying a smaller number of hours than the regular student. Such person would be classified as a regular special. Persons of the age of 20 years or over may enter the University and carry studies for which their previous training prepares them even though such training be irregular in amount and kind. Such persons are called adult special students.

The matriculation requirements for persons who desire to earn University credit in the Summer School are in general the same as for other sessions of the University. In addition, in view of the special appeal which a summer session makes to a large class of teachers, for whom this is the only opportunity to do some college work, the following slight modification of the rules will be permitted:

Any person who has taught or is authorized to teach a school in this State for the period of one year, under a regular certificate, is entitled to the privileges of the University Summer School whether or not he has attained the adult age of 20 years.

SPECIAL STUDENTS OTHER THAN TEACHERS

Persons of mature years are always welcomed at the University and are permitted to pursue any studies from which they can derive benefit, irrespective of the technical qualifications involved in the usual requirement of high school graduation. Ordinarily, only a very small number of special students attend the regular sessions. It is believed, however, that the Summer School offers exceptional inducements to such persons. We are to have this year a variety of special lectures and conferences upon topics of vital social inter-

est. Those who plan to attend these conferences are invited to register for some of the regular courses and to spend, if possible, the entire six weeks' period at the University.

There are also young persons, other than teachers, who may be splendidly fitted to take up college work but are deficient in their high school training. There are bright, eager young men and women on the farms, in offices and stores, as well as in the school room, who ought to be making a beginning toward the college course for which they have cherished an ambition. The Summer School may be found of peculiar service to such persons, for many of them could arrange to secure a vacation from their regular employments during the six weeks and could in that time gain a pretty thorough acquaintance with the conditions of college work. Their presence here will enable the University authorities to study their special needs and to arrange for them correspondence courses and other helps toward profitable private study until such time as they may be prepared to pursue the college work regularly in residence.

FEEES

The fee for the summer session, irrespective of the number of courses taken, will be ten (\$10.00) dollars. The fee in laboratory courses will cover only the cost of materials used. But no fee is charged to those coming for a few days to attend the conferences.

CREDITS FOR SUMMER SCHOOL WORK

Candidates for a degree in the University will receive credit for work done in the summer session, provided their work satisfies the department and they pass the examination held at the end of the course in which credit is desired. A total of six semester hours may be allowed for the work of a session. One hour of credit for the assembly lectures may be included in the six, provided the student shall register for the lectures and shall pass a satisfactory examination based on the lectures and on the required reading assigned by the lecturers.

REDUCED RAILROAD RATES

Reduced railroad rates of one and one-third fares, on the certificate plan, have been granted the University of Oregon from June 14 to August 7. These rates are good for all of the University

events coming between the two dates, including the annual Commencement exercises (June 14-17), Summer School (June 26-August 7) and any conventions that may be announced. In order to secure the reduced rates *each person expecting to attend any of these events should secure a receipt or certificate from the ticket agent at the time of purchasing his railroad ticket to Eugene. If this certificate is not obtained, reduced rates cannot be granted.* This certificate properly signed by the Registrar of the University will entitle the holder to one-third fare returning home.

REGISTRATION

Registration must precede entrance upon any part of the work of the session. Students should report at the Registrar's office either Friday, June 26, or Saturday, June 27, and pay the registration fee. Lectures will begin at 8 o'clock Monday morning, June 29. It is important that students be present on the opening day of the session. Students who enter late will find it difficult to make up their work.

BOARD AND ROOM

Full lists of both boarding and rooming places are kept on file in the Registrar's office and are available for all students. The number of places is large and it is usually best for students to make their selection after reaching Eugene.

The main dining hall at the University will be kept open throughout the summer session for the accommodation of Summer School students and board will be furnished both men and women at \$4.00 per week.

Rooms in Mary Spiller Hall will be rented to women at \$6.00 for the summer session. With each room in furnished table, chairs, bedstead, springs, mattress, light, etc., and it will be necessary for each occupant to furnish only such light bedding as may be required, towels, etc. Applications for rooms should be made as early as possible to the Registrar. Rooms will be held not longer than the first day of the session, unless a special deposit is made to secure them.

Rooms in private families can be secured at from \$4.00 to \$10.00 per month. At least one boarding house will give both room and board for \$4.00 per week. Arrangements have been made for keeping a number of club houses open during the summer.

Persons desiring tenting privileges or wishing to rent tents are invited to correspond with the Registrar.

A SUMMER RESORT SCHOOL

The University of Oregon is exceptionally well located to afford a pleasant place for summer study. Eugene, a town of 12,000 people, is at the head of the Willamette Valley, so situated that there is hardly a day of the summer that is not made delightful by a cool northwest breeze blowing direct from the ocean. The climate, strikingly similar to that of Macinac Island, has already made this institution known east of the Rocky Mountains as one of the most attractive summer school resorts on the continent. The University buildings are situated on a natural rise of ground overlooking the city and are surrounded by a beautifully parked campus in which are large numbers of evergreen and deciduous trees, making a delightfully cool and shaded place for summer work. The Willamette River flows along the campus on the north, and the McKenzie River, flowing from the glaciers of the Three Sisters, is only a short distance away. The race affords an attractive place for canoeing and picnicing. Numerous tennis courts, baseball diamonds, etc., all of which are free to students, give ample scope for athletic diversions and for wholesale exercise.

RECREATION

The social life at the summer session in recent years has been most enjoyable and the efforts will be made to render it even more pleasant this year. There will be the customary Summer School party, held early in the session either at the reception room of the dormitory or on the lawn in front of the President's house. In addition to numerous picnics on the race and river, and the continuation of a delightful custom inaugurated two years ago of taking picnic suppers on the University campus, there will be the annual excursion to McKenzie River and to other points of interest. The tennis courts are free to all and a tennis tournament will be held during the summer session.

PUBLIC LECTURES

The hour from 11 a. m. to 12 m. each day of the summer session will be set aside as the General Lecture Hour. No regular classes

will be in session during that time. All students of the summer school will be expected to attend, and a cordial invitation is hereby extended to others to take advantage of the course, for which no charge whatever will be made.

The Summer School Lecture Course during the past few years has been so much appreciated by the public that the management feels disposed to make it this year a specially significant feature of the University's extension work. Since the lectures continue for the six weeks beginning June 29 and closing August 7, persons at a distance from Eugene who are planning their vacations for that interval or a part of it, may desire to come here for the sake of the lectures and the contact with the University. Such persons will be heartily welcomed to our Summer School community as well as to the 11 o'clock lectures.

SCHOOL OF CORRESPONDENCE-STUDY**FACULTY—EXTENSION DIVISION**

The following members of the University Faculty are directing work in the Correspondence-Study Department:

PRINCE L. CAMPBELL, B. A. LL. D., President of the University.
JOSEPH SCHAFER, Ph. D., Professor of History and Director of University Extension.

MOZELLE HAIR, B. A., Secretary University Extension.

PERCY PAGET ADAMS, B. S., Assistant Professor of Engineering.

ERIC W. ALLEN, B. A., Professor of Journalism.

FRED CARLETON AYER, M. S., M. A., Professor of Education.

CECILLA SMITH BELL, B. A., Assistant Instructor in English Literature.

JOHN FREEMAN BOVARD, M. S., Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.

JULIA BURGESS, M. A., Assistant Professor of English.

ROBERT CARLTON CLARK, Ph. D., Professor of History.

ARTHUR J. COLLIER, M. A., Professor of Geology.

EDMUND S. CONKLIN, Ph. D., Professor of Psychology.

KARL M. DALLENBACH, Ph. D., Instructor in Psychology.

EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.

COLIN V. DYMENT, B. S., Professor of Journalism.

FRED GOODRICH FRINK, B. S., LL. B., Professor of Engineering and Mathematics.

JAMES HENRY GILBERT, Ph. D., Professor of Economics.

MONTANA HASTINGS, B. S., Assistant Professor of Education.

CLIFTON FREMONT HODGE, Ph. D., Professor of Civic Biology.

HERBERT CROMBIE HOWE, B. A., Professor Modern English Literature.

EDWARD HIRAM MCALISTER, A. M., Dean of the College of Engineering and Professor of Civil Engineering.

CARL ARTHUR MCCLAIN, C. E., Assistant Professor of Engineering.

JOHN P. O'HARA, M. A., Instructor in History.

ROBERT W. PRESCOTT, B. A., Assistant Professor of Public Speaking.

MABEL HOLMES PARSONS, M. A., Instructor in English.

MARY HOLLOWELL PERKINS, M. A., Assistant Professor of English.

GEORGE REBEC, Ph. D., Professor of Education.

CHARLES ROY REID, B. S., Assistant Professor of Electrical Engineering.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of German.
DON C. SOWERS, B. A., Director Municipal Research Bureau.
BERTHA STUART, B. A., M. D., Director Women's Gymnasium.
FRED L. STETSON, M. A., Assistant Professor of Education.
ALBERT RADDIN SWEETSER, M. A., Professor of Botany.
EDWARD ALLEN THURBER, M. A., Professor Rhetoric and American Literature.
FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.
MARY WATSON, M. A., Instructor in English Literature.
ROY M. WINGER, Ph. D., Assistant Professor of Mathematics.

OBJECT

The Correspondence-Study Department is designed to bring the help of the University directly to those citizens of Oregon of all ages who may be so situated as to be unable to attend an institution of learning but who are anxious to carry forward their education by employing to that end the hours of relaxation from their regular work, and who would be able to do this very advantageously under such guidance as the University can afford them. The demand for correspondence courses has grown steadily for several years and every effort has been made to supply the courses that seemed to meet the needs of the largest number of students. Several new courses have been added this year and others will be announced as rapidly as the demand for them and the resources of the department seem to justify them.

Among those who are taking advantage of correspondence-study courses are:

(1) The teachers in our public and private schools, a good proportion of whom are ambitious to improve their professional equipment both for the personal gratification implied in it and for the sake of the professional advancement which depends on uninterrupted intellectual growth.

(2) Men and women engaged in non-professional occupations who have the opportunity and the desire for self-improvement through one or more lines of systematic reading.

(3) Young men employed in clerical positions—banks and mercantile houses, on farms or in workshops,—who are engaged in assembling funds to defray the expense of an education like Engineering, Law, Medicine, Journalism, Teaching or the Ministry,

and who wish to shorten the period of necessary residence study at the professional school by making the best use of their time from month to month during the earning period.

(4) Young women engaged as clerks and stenographers who wish to fit themselves for teaching or for secretaryships requiring more advanced training, and who find themselves in possession of a good deal of time before and after office hours which can be profitably employed in regular progressive study.

(5) Men on farms, in shops, or in lumbering or mining camps who can make excellent use of courses in Mathematics, in Science or in Engineering as a partial equipment for their regular work.

(6) Young persons wishing to prepare for college, and others who have matriculated in college or technical schools, who can make use of vacation time or periods of enforced absence from school to advance their preparation.

(7) Professional men and women who wish to keep in touch with the various branches of general knowledge or who are studying to fit themselves for higher positions in their chosen professions.

(8) Home makers who want the stimulus of outside influences such as the University can provide, to broaden the interests of the home.

(9) Mothers who wish scientific information on the care of children and who are interested in the problems connected with the schools.

(10) Women's clubs, parent-teacher associations, civic clubs, reading circles and other similar organizations.

Correspondence work cannot take the place of regular attendance at the University, but when for any reason attendance is impossible or must be deferred for a time, correspondence study may be employed to advantage. For this reason the courses have been made to reproduce as nearly as possible the actual work of the classroom and for the completion of a course a student is entitled to credit if the requirements of the department are properly met.

The instructor in each case prepares the outlines, which are sent to the student in the form of "lessons," with instructions for their preparation and return. The student's work is examined and criticized and returned for such correction or amplification as may be indicated on the papers. Special directions and suggestions are added as they may be required by the individual student.

Important helps and suggestions are given students through the medium of the *Extension Monitor*, a small magazine devoted to the Extension work of the University and sent to all registered correspondence students.

Correspondence courses are for the present arranged in three groups:

1. *University Courses*.—For which credit may be secured toward a degree. The maximum amount of credit earned in correspondence courses which may be counted toward the B. A. degree is 40 semester hours, or one-third of the hours required for graduation.

A semester hour is the credit given for a correspondence course which is the equivalent of a similar course at the University consisting of one recitation, lecture or laboratory period a week for one semester or 20 weeks.

2. *Entrance Courses*.—These courses may be taken for the removal of entrance conditions in preparation for a regular University course, but credits so earned cannot be offered for credit toward a degree. These courses are not to be regarded as substitutes for high school work, but are for students who are so situated that they cannot attend high school but who wish to complete their preparation for entrance to the University or continue their studies until such a time as they can re-enter high school.

3. *Courses for Clubs*.—These courses consist of topical outlines and bibliographies to accompany them arranged for the special convenience of clubs. Fuller descriptions of these courses will be found at the close of the Bulletin under the head of "Courses for Clubs."

REQUIREMENTS FOR ADMISSION

No formal examination is required for admission to the Correspondence-Study Department, but students are required to give full information regarding their preparation for the courses they wish to take by correspondence. Students will usually be permitted to pursue the courses which they prefer, but the department reserves the right to substitute courses for those chosen by the student when such a change would be clearly in keeping with the preparation and best interests of the student.

A student's connection with the department may continue as long as the ability and disposition are manifested to carry on the

work profitably. Students in attendance at a regular session of the University of Oregon or of some other institution will not be permitted to register for correspondence courses unless special arrangements for such work are made following the advice of the instructors of the student.

CREDIT FOR CORRESPONDENCE COURSES

Credit is given for the satisfactory completion of a correspondence course, including a final examination. Credits earned in correspondence courses by students are recorded in the office of the Registrar of the University until such students register for regular work in the University of Oregon, when these credits can be counted towards graduation. The maximum number of college credits earned by correspondence which may be offered for the B. A. degree is 40 semester hours. Courses for which entrance credit is given are for students who cannot take a complete high school course and for teachers preparing for State examinations. Such courses cannot be taken for college credit unless so specified in the description of courses, but college courses may be taken to remove entrance conditions if special arrangements to this end are made.

FORMAL EXAMINATIONS

Formal examinations are required only when credit is desired. Such examinations should be taken as soon as possible after the completion of a course, usually not later than three weeks after the last corrected report for such course has been returned to the student. Examinations are given at the office of the Extension Division of the University whenever possible, but other arrangements may be made subject to the approval of the Correspondence-Study Department.

EXPENSE

A small fee is charged for correspondence courses to cover the postage on lessons sent to the student, on reports that are returned and the general correspondence that is carried on with the student during the progress of the work.

Beginning with January 1, 1914, a slight change will be made in the fees, introducing the graduated fee depending on the length of the courses. There will be required:

1. A registration fee of \$1.00, payable once a year as long as the student continues to do work in the department.

2. A fee for courses of 50 cents for each credit hour, the total amount depending on the course for which registration is made. Thus charges for all courses will be estimated on the following basis:

1-hour college courses.....	\$.50	5-hour college courses.....	\$ 2.50
2-hour college courses.....	1.00	6-hour college courses.....	3.00
3-hour college courses.....	1.50	1 entrance unit course.....	3.00
4-hour college courses.....	2.00	½ entrance unit course.....	1.50

NOTE.—In estimating the comparative value of entrance and college credits at the University, one entrance unit is counted the equivalent of six college semester hours, and a half entrance unit the equivalent of three college semester hours.

All fees are payable at the time of registration and should be sent to the Registrar, University of Oregon, Eugene, with the application. In estimating the amount, students who are registering for the first time or whose registration has expired should add to the \$1.00 registration fee the amount for each course according to the above schedule. For instance, the course "Principles of Economics," given by Professor Gilbert, is a five-hour course and would cost the student \$2.50, which added to the \$1.00 registration fee would make the total to be sent \$3.50. Students whose registrations are still in force may register for additional courses at any time by paying the fees for courses.

Students who register for correspondence courses and for any good reason are unable to continue with the work may have the fees refunded, provided application is made within a month from the date of registration. Registration receipts must always accompany an application for the refund of fees.

Clubs may register for courses on the payment of a fee of \$2.00 for each course for the entire club, provided that the lesson papers and all communication can be mailed to one address. Individual members of the club who wish to prepare reports for correction will be required to pay the regular student fees.

Remittances should be by postal or express money order or by bank draft and made payable to the Registrar, University of Oregon. Postage stamps should not be sent for fees.

Textbooks and other required materials mentioned in the description of courses are to be purchased by the student. If they cannot be secured conveniently through a local dealer, they may be

ordered from the Extension Division. Money for textbooks and supplies should always accompany the order.

REGISTRATION

To register for correspondence courses fill out the blank at the back of this catalogue and send it to the Registrar, University of Oregon, Eugene, enclosing at the same time the required fees. If books or supplies are desired, enclose the necessary amount. Additional application blanks may be secured from the Registrar. In filling out the application blank students should be careful to state clearly the preparation they have had for the correspondence courses they wish to undertake.

Correspondence courses offered by the Extension Division of the University of Oregon are intended for residents of Oregon only; but in a few cases the privileges have been extended to those moving out of the State and to those whose residence outside the State is temporary, under the same conditions granted to students regularly entitled to them. Ordinarily students who do not reside in the State will be required to pay a more substantial fee to cover the cost of instruction.

Students should not register for more than three courses at one time, as experience has shown us that this is all the work that can be carried successfully by any student. One or two courses will be all that students who are engaged in other pursuits can handle.

GRADUATE COURSES

A few graduate courses are provided for students who wish to undertake such work, but these students should write for special instructions regarding the necessary procedure to secure them. Candidates for the Master's degree should submit a formal application for advanced standing to the Graduate Council of the Faculty and upon their acceptance by the Council as graduate students may pursue such correspondence courses for credit as the major professor may assign.

At least one semester of residence work is required for the Master's degree, but the remainder of the 30 hours may be completed through correspondence courses and the Summer School, provided special arrangements are made with the major professor and the Graduate Council.

UNIVERSITY EXTENSION

The University of Oregon, in addition to the work done on the campus, has developed the extension side of its work through a regularly organized Extension Division, thus bringing the advantages of its plant and organization directly to the people of the State. The following are the main lines of extension work carried on by the University:

I. INSTRUCTION TO INDIVIDUALS AND GROUPS.

Such instruction is carried on by means of:

- (a) Correspondence-Study courses.
- (b) Extension classes.

These classes are held under the personal direction of some member of the University Faculty and combine direct instruction with the correspondence method.

(c) Extension Schools—a combination of conferences, classes and lectures.

Held customarily in connection with public high schools, but for the special benefit of adult citizens.

(d) The Annual Summer School. For teachers and others employed during the regular school year.

II. CONFERENCES.

(a) The Commonwealth Conference, held annually at the University.

Arranged by a Faculty committee.

(b) The Ministerial Association Congress held in connection with the Summer School.

(c) The Educational Conference held in connection with the Summer School.

(d) Community Conferences for the discussion of special educational and civic problems.

III. RESEARCH WORK.

(a) Municipal Research Bureau. Through this bureau the University aims to do the following for the communities of Oregon:

1. To provide expert information on the problems which are arising in connection with municipal administration and on questions connected with the operation or regulations of public utilities.

2. To assist and direct by correspondence and personal conferences, communities which desire social surveys made, either of all the activities of the community, or of any special phase of its life.

3. To cooperate with county and city officials so that the best information and best way of conducting the public business may be placed at the disposal of every public official.

4. To cooperate with voluntary societies such as commercial clubs, welfare leagues, health societies, women's clubs, etc., in working out plans for social betterment programs; and with county superintendents and county school boards with special reference to the finances of rural schools.

(b) Investigation for committees of the Legislative Assembly, of problems connected with proposed legislation.

c) Investigation for communities of problems in sanitation and civic biology, including such practical problems as the fly and mosquito pest, extermination of rats, etc.

(d) Chemical investigations relating to the development of the State's natural resources.

(e) The engineering study of the waterpower resources of Oregon.

IV. THE ORGANIZATION OF A HIGH SCHOOL DEBATING LEAGUE FOR THE STATE.

V. LECTURE BUREAU.

Free lectures and lecture courses are given by members of the University Faculty to communities desiring them.

VI. PUBLICATIONS.

The Extension Division publications for the year 1913 are:

1. University of Oregon Extension Division Bulletin for November, 1913, announcement of the Correspondence-Study Department.

2. University Extension Monitor. Published especially for extension students and sent to all registered students.

3. Topics for Parent-Teacher Meetings. Designed to assist in conducting Parent-Teacher Meetings.

4. Extension Lectures. A pamphlet giving a complete list of extension lecturers and lecture subjects.

5. Announcements for the College of Engineering. A description of the grouped courses in engineering now being given to extension classes in Portland.

Publications in Preparation:

1. General Extension and Summer School Bulletin.
2. Bulletin on Municipal Affairs.

EXTENSION LECTURES

Experience at this and other universities has shown the advantage of combining with the correspondence work in any branch of study, a brief course of lectures delivered at centers most accessible to the correspondence students and designed to intensify students' interest in the subject. Not all correspondence students can be reached in this way, it is true, but, on the other hand, many persons who are not correspondence students will receive the benefit of such lectures wherever they can be given and thus a double utility will be secured. Sometimes, too, it will be possible to offer courses of extension lectures in subjects not given as correspondence studies. These will be designed either for the general public or for selected groups of interested individuals and they will not follow the development of a subject systematically, but will aim to stimulate thought and private study by illuminating the higher peaks of the subjects.

SCHOOL OF MUSIC

THE FACULTY.

P. L. CAMPBELL, A. B., President of the University.

RALPH H. LYMAN, A. B., Dean of the School of Music, and Instructor in Voice.

MRS. A. MIDDLETON, Assistant Instructor in Voice.

WINIFRED FORBES, Instructor in Violin.

HERMIONE HAWKINS, Instructor in Piano.

CARL V. LACHMUND, of Lachmund Conservatory in Portland, Associate Instructor in Piano.

AVIS BENTON, of Lachmund Conservatory, Associate Instructor in Piano.

ALBERTA CAMPBELL, Assistant Instructor in Piano.

NELL MURPHY, Assistant Instructor in Piano.

INA WATKINS, Assistant Instructor in Piano.

RUTH DAVIS, Assistant in Piano.

JESSIE FARRIS, Assistant in Piano.

MRS. ROSA POWELL, Instructor in Public School Music.

MAE A. NORTON, Secretary of the School of Music.

AIMS.

The Department of Music aims to provide adequate instruction to students who desire knowledge of music, and to afford a course of study for those who shall become musicians as teachers or composers.

COURSES.

The work of the department is divided into theoretical and practical. The theoretical consists of courses in harmony, theory, history of music, and public school music. Courses 1 and 5 are open to all students without musical training. All theoretical courses are given without fees to students registered in the University or School of Music.

1. *Elementary Theory.* This is prerequisite to harmony courses for which University credit is given. Notation; tonality; intervals; study of rhythm; primary and secondary triads of major and minor keys; harmonising of simple bases and original melodies.

One hour, two semesters.

2. *Harmony.* Continued work in the use of triads; inversion of triads; dominant seventh chord, its inversion; harmonising of bases, given and original. *One hour, two semesters.*

3. *Harmony.* Secondary sevenths with inversions; chords of the ninth, eleventh and thirteenth; altered chords. Drill in recognising modulations; suspensions, organ point, passing and changing tones; constant applied work. Careful study of the means of modulation. *One hour, two semesters.*

4. *Harmony.* Composition of numerous chorals; harmonizing of Volks-leider; constant practice in modulation; critical harmonic analysis of celebrated classic and modern compositions. *One hour, two semesters.*

5. *History of Music.* Lectures are given on the development of music from its earliest stages; history of church music from the time of Gregory; history of opera and oratorio; biographical sketches of famous composers, with description and analysis of their principal works; history of purely instrumental music, showing growth and development of musical forms. *One hour, two semesters.*

6. *Public School Music.* To prepare for the teaching of music in the grades and high school, giving the most approved methods and outlining a general course to be used in teaching. Opportunity for practice is given in the Eugene public school, and students should, at the expiration of the two years' course, be able to take a position as supervisor of music in public schools. *Two hours, two semesters.*

Candidates for the degree of Bachelor of Music must have completed the entrance requirements of the University before beginning the course. The course requires one year of History of Music, three years of Harmony, nine hours of German, six hours of English, one hour of Personal Hygiene, one hour of Public speaking, five hours of Literature, nine hours of French, two hours of Italian, three hours of Psychology, three hours of Education, two hours of Physics of Sound, and two years of Physical Training. This last is required of every student who is a candidate for the degree of Bachelor of Music, and is taken during the Freshman and Sophomore years.

Practical courses are offered in Voice, Piano and Violin. These courses are elective, and open to any student who wishes to

study music, whether a candidate for a degree or not. Candidates for the degree of Bachelor of Arts may take music each year. College credit for two semester hours for practical music is given. Further credit is given for theoretical music, but not more than a total of eight semester hours is allowed in the University towards a B. A. degree. All students in piano and violin are required to take the theoretical course, unless permission to omit such work is given by the Dean of the School of Music.

Candidates for degree of Bachelor of Music must have a one-hour lesson a week in the practical subject of the department. Major work in piano requires two years of voice training or violin work, also training in teaching under supervision of head of the department, as well as ability to appear as a soloist.

Upon entrance to the four years of piano work offered in the University, the candidate for the degree of Bachelor of Music should be able to play major and minor scales correctly; studies from Czerney op. 299; Cramer, Books I or II; Berens op. 61; easier sonatas of Mozart; Haydn, Reinecke, Sonatinas op. 47; Krause Sonata op. 3; Little Preludes and Fugues of Bach; easier Mendelssohn songs; and pieces by modern writers of same grades.

Candidates for degree of Bachelor of Music with Voice as major subject are required to complete two years of Piano, one half hour weekly; and one hour weekly in voice training, sight singing, and to have the ability to appear as soloist.

In entrance to four years of Voice work offered in the University, the candidate for the degree of Bachelor of Music should have a knowledge of notation, tonality, intervals and rhythm, and should be able to sing studies from Abt, Concone op. 9, Panofka op. 85, or their equivalent.

In entrance to four years of Violin work, the candidate for the degree of Bachelor of Music should be able to produce a good tone, to play in first position with accurate intonation, to give an acceptable rendering of simple melodies, and to read at sight.

PREPARATORY COURSES.

In Voice, Piano, and Violin courses are offered from the beginning of music study, for the benefit of those who have had no work or have had comparatively little.

RECITALS.

Practice recitals are given twice a month, giving every student an opportunity to play, and incidentally affording him a larger knowledge of musical literature in all grades. Public recitals are given at the close of the first semester, and at the close of the school year.

FEEES FOR INSTRUCTION IN MUSIC.

Fees for work in the School of Music must be paid to the Steward of the University in advance.

ENSEMBLE CLASSES.

Ensemble classes (small groups of three or four violins, with or without pianos) are rehearsed once a week under the direction of Miss Forbes. The class is given graded compositions selected from the best classic and modern musical literature and is given drill in sight-reading and technic and interpretation.

PREPARATORY HARMONY.

A special feature of the piano and violin departments is a course in preparatory harmony and sight reading, which all students are required to take if they have not already had such training. These classes are graded and held once a week.

TUITION.

One lesson per week for one semester (18 weeks):

	Half-hour Lessons	Hour Lessons or Two Half-hour Lessons
Instructors	\$25.00	\$45.00
Assistant Instructors	18.50	35.00
Assistants	15.00	25.00

For two one-hour lessons per week for one semester:

Instructors	\$90.00
Assistant Instructors	70.00
Assistants	50.00

Special rates for Miss Benton and Mr. Lachmund, per semester:

Miss Benton (for half-hour lessons).....	\$19.50
Mr. Lachmund (for half-hour lessons).....	10.00
Miss Benton (for one-hour lessons).....	35.00
Mr. Lachmund (for one-hour lessons).....	20.00

Miss Benton comes 14 times during the semester and Mr. Lachmund four times. Single lessons of Mr. Lachmund may be had by special arrangement at the above rate, which is \$2.50 for half-hour lessons, or \$5.00 per hour .

A special fee of \$5.00 per semester will be charged for students in the Harmony or Public School Music classes who are not registered in the University or in the School of Music.

ADDITIONAL EXPENSES.

Pianos may be rented at rates of from \$4.00 to \$6.00 per month.

Information in regard to living and incidental expenses may be secured from the Registrar of the University.

DEGREES CONFERRED

On Commencement Day, June 18, 1913, degrees were conferred as follows:

THE DEGREE OF MASTER OF ARTS UPON

Edith A. Baker	Mark A. Paulson
Edith F. Barrett	Annette H. Smedley
Frank Edwin Billington	Ida Viola Turney
Jesse Hickman Bond	Ernest Charles Wigmore

THE DEGREE OF BACHELOR OF ARTS UPON

Lucile Abrams	Mabel Lorence
Grace Adamson	William Kenneth Livingston
Franklin S. Allen	John Elwood Luckey
Norman B. Ashcraft	Esther Maegley
Edward Flint Bailey	Ira Albert Manville
Faye Elizabeth Ball	W. Homer Maris
A. Lester Barnhart	Eva Lucile Marshall
Lloyd D. Barzee	Karl H. Martzloff
Verena Black	Herbert Hill Matthews
Florence Bonnell	Walter Rayburn McClure
Hilda M. Brant	Mary Alice McFarland
Paul Robert Briedwell	Hazel McKown
Harold James Broughton	Anna S. McMichen
Elizabeth Busch	Edna May Messenger
Ralph Harlan Cake	Cecil Olive Miller
Russell D. Calkins	Bessie Morrison
Agnes Dorothy Campbell	Wallace Mount, Jr.
Raymond J. Caro	Lena Bertha Newton
Gladys Cartwright	Karl William Onthank
Alvin Burleigh Cash	Merl S. Pate
James Carrol Cecil	Ruth Peter
Benjamin R. Chandler	David C. Pickett
Florence Ruth Cleveland	Pauline Potter
Grace M. Cole	Blanche A. Powell
Andrew McCornack Collier	Margaret Powell
Marjory Cowan	Lora Belle Pummill
Lucile Allen Davis	Helen Ramage
Carlin H. Degermark	Charles N. Reynolds
Nettie V. Drew	Eva Roche
Ruby Claire Edwards	Marguerite Rohse
Wayne E. Elliott	Agnes Jane Ryder
Alice Good Farnsworth	Zella Mae Soultz
Walter S. Fisher	Carlton E. Spencer
Edsall P. Ford	Ruth M. Stone
Kenneth Francis Frazer	Glen Edwin Storie
Lida Oakes Garrett	Mary Alice Tappenden
Lillian Lucille Gardner	Herman C. Tschanz
Helen Blair George	Vernon Hill Vawter
Carl Grayson	Elizabeth Wagner
Lenora Hansen	Fendel Sutherlin Waite
Grace Martha Hartley	Mildred Waite
Nellie Harriet Hemenway	Dean H. Walker
Helen Corey Holbrook	Harold J. Warner
Minnie Marie Holman	Ida Maude Warnock
Vesta Holt	Muriel Watkins
Alicia Pearl Horner	Edith Elizabeth Watt
Ada Gleason Kendall	Thaddeus H. Wentworth
Walter W. Kimmell	Mildred R. Whittlesey
Beulah Belshaw Kinsey	Clara M. Wines
Chester Tegart Kronenberg	Howard Zimmerman
Robert B. Kuykendall	Mabel June Zimmerman
Ernest Dolph Lamb	Olive Hope Zimmerman
Elizabeth Lewis	

THE DEGREE OF BACHELOR OF SCIENCE UPON

Lyle F. Brown

Jesse Buford Jones

THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING UPON

Abe B. Blackman
 Richard Scott Carrick
 Walter Stanley Hodge
 Edgar E. Martin
 Cyril Hope Meyers
 William T. Neill

Allyn F. Roberts
 Mason H. Roberts
 James Ryder
 Otto Stoehr
 Charles Herbert Van Duyen
 Claude B. Washburne

THE DEGREE OF BACHELOR OF MUSIC UPON

Ruth Evelyn Davis

Jessie Fariss

THE DEGREE OF DOCTOR OF MEDICINE UPON

Cecil Else Brous
 Roscoe William Cahill
 John Hughes
 Mary Leona Jacob-Lavanture
 Hubert Francis Leonard
 Hinton Denny Jonez
 Harry M. Makins
 Hugh S. McKenzie
 Dwight Franstone Miller
 Harvard Clayton Moore

Julius Frederick Neuberger
 Frederick Graham Nichols
 Edward Allen Noyes, Jr.
 Harvey Earl Rinehart
 Harry Freeborn McKay Shannon
 Ralph Louis Sharkey
 Henry Frederick Thiel
 Alfred W. Z. Thompson
 Archie Clifford Van Cleve

THE DEGREE OF BACHELOR OF LAW UPON

James Fuller Alexander
 Charles S. J. Banks
 C. C. Bechtold
 Earl Bernard
 Edward Orrill Bundy
 James Arthur Burke
 Paul Wortman Campbell
 Chester Samuel Caplinger
 Robert George Closterman
 Thomas Bernard Collins
 James C. Cooper
 Henry William Dahleen
 Jacob Feldman
 Aaron Frank
 Walter Faries Frazier
 John Clyde Fox
 Netta A. Garland
 Thomas L. Garland
 George Cameron Graham
 Donald Martin Graham
 Martin W. Hawkins
 John M. Hickson
 Albert F. Knight
 Leland Knox
 John Lane
 George A. Latimer

Carl Marioth, J. D.
 Chester A. Martin
 Lydia Alice May
 LeRoy Marshall McDuffee
 Walter Thomas McGuirk
 Arthur J. Moore
 Clyde Martin Morris
 Emil Nelson
 Rasmus Anton Nielson
 Louis T. O'Brien
 William Forbes Paterson
 Merwin Rankin
 Louis Albert Recken
 Wallace Redman
 Charles W. Robinson
 J. J. Rosenberg
 Clifford G. Schneider
 John Schroeder
 S. Seriguchi
 W. H. Sibbald
 Newton C. Smith
 Fred C. Suren
 Genevieve Thompson
 Senichi Tomhiro
 Edgar H. Whitney
 John Daniel Williams

STUDENTS ENROLLED

GRADUATE SCHOOL

NAME.	HOME ADDRESS.
Bradshaw, Frederick O.	Union
Datson, Edna Prescott	Eugene
Dorris, Bertha	Eugene
Howe, Lola	Eugene
Livingstone, William	Eugene
McClure, Walter	Eugene
Stevenson, Agnes	Eugene
Stokes, Hazel	Eugene
Van Duyn, Charles	Eugene

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS,
AND COLLEGE OF ENGINEERING

Ackerson, Luton	Eugene
Allen, Anson G.	Astoria
Allen, Louise	Eugene
Allen, Marie Louise	Eugene
Allen, Ralph S.	Eugene
Amspoker, Walter Barnes	Riddle
Andrews, Roy	Eugene
Anunsen, Fred	Portland
Apperson, A. L.	Eugene
Archambeau, Loretta	Eugene
Armstrong, Cecilia	Milton
Arpke, Calvin A.	Philomath
Ash, Clarence	Portland
Ash, Ralph Walker	Portland
Avery, Florence Elizabeth	Hood River
Avison, J. Bothwell	Oregon City
Bailey, Louise Grace	Eugene
Baker, Amy Hurlburt	Eugene
Baker, Carl C.	Portland
Baker, J. Albert	Eugene
Baker, Mary E.	Eugene
Ball, Doris Marie	Portland
Ball, Edna	Eugene
Bandy, Gale	Tacoma, Wash.
Barnett, Ira	Wasco
Barr, Lola Esther	Springfield
Barry, Madge	Marshfield
Barta, Hazel	Superior, Wis.
Basler, Rose Marie	Portland
Batley, Merlin	Twin Falls, Idaho
Baumann, Selma	Portland
Bayley, Edward	Portland
Beach, Frank	Portland
Beach, Ruth	Portland
Bean, Grace	Salem
Bean, Hawley	Salem
Bean, Robert	Portland
Beck, Callie	Eugene
Becke, Karl	Aurora
Becker, Paul	Springerville, Ariz.
Beckett, John Wesley	Eight Mile
Beckwith, Arvilla	Portland
Beebe, Francis	Eugene
Beer, Martha	Eugene

NAME.	HOME ADDRESS.
Belat, Margaret	The Dalles
Bell, Jean	Pioneer
Bennett, E. Allen	Seattle, Wash.
Benson, Wallace	Gardiner
Bent, Winifred	Portland
Berlin, Harold	Turlock, Calif.
Betts, Charles	Estacada
Bigbee, Carson Lee	Eugene
Bigbee, Lyle R.	Eugene
Bigbee, Morris S.	Eugene
Billings, Gorden Alden	Olympia, Wash.
Bingham, Charles	Sedro Wooley, Wash.
Bisher, John Jr.	Halfway
Black, John A.	Portland
Black, Tanjor T.	Eugene
Blackaby, Earl	Ontario
Bond, Lewis A.	Eugene
Boone, William R.	Wellsville, Kansas
Booth, Barbara Wenzora	Eugene
Bostwick, Albert Lee	Baker
Boydell, Ethelwyn	Nyssa
Boyen, Tom Jr.	Pendleton
Bradshaw, Robert C.	The Dalles
Brady, Robert	Brookville, Pa.
Brattain, Eva	Springfield
Breeding, Bernard	Portland
Brenton, Walter	Eugene
Bridges, Katharine	Brownsville
Brock, Eva Lenore	Hood River
Bronaugh, Earl	Milwaukie
Brooks, Irwin	Portland
Brotherton, Clarence	Waitsburg, Wash.
Broughton, Mildred	Portland
Brown, Ethel Marie	Portland
Brown, Eyler	Eugene
Brown, J. Prentiss	Lebanon
Brown, Lois Estella	Eugene
Brown, Lurline	Lebanon
Brown, Merna	Spokane, Wash.
Brown, Mildred A.	Spokane, Wash.
Brown, Mildred G.	Medford
Brown, Sybil	Portland
Brownell, Austin B.	Gardiner
Brunk, Ethel	Berkeley, Calif.
Brunk, Hugh	Berkeley, Calif.
Bryant, R.	Clatskanie
Buell, Gertrude	Eugene
Bull, Howard	Salem
Bulmer, Harry	Neligh, Neb.
Buoy, Leonard	Eugene
Burgard, John Clark	Portland
Burgard, William N.	Portland
Burris, Victor Earl	Eugene
Bynon, Allan A.	Salem
Campbell, Clara Grace	Spokane, Wash.
Campbell, Frank Hill	Dallas
Carl, George	Eugene
Carl, Walter	Hood River
Cornog, Jacob	Eugene
Carpy, Willard	La Grande
Carson, Amy	Springfield
Carson, Catharine	Salem
Carter, Hallie	Eugene

NAME.	HOME ADDRESS.
Cartwright, Constance	Salem
Casebeer, Chauncey	Eugene
Casebeer, Lloyd	Eugene
Cass, William	Hood River
Caufield, Wallace	Oregon City
Cellars, James	Portland
Chambers, Mary	Eugene
Chesebro, Paul	Kirkwood, Calif.
Childers, John Milton	Milton
Church, Walter	Eugene
Churchill, Marie	Salem
Clark, Charles	Portland
Clark, Rankin	Portland
Cleary, Maurice	Everett, Wash.
Clements, Edith	Roseburg
Clubb, Will C.	Eugene
Cobb, Cecil Edward	Portland
Cockran, Ina	Medford
Coe, Pauline	Grants Pass
Cogswell, Lucile	Portland
Cogswell, Marjorie	Portland
Cohn, Harold Albert	Heppner
Cole, Effie M.	Eugene
Cole, Willard	Woodburn
Collier, Alfred D.	Eugene
Collier, Charles	Eugene
Colton, George	Portland
Conley, Clinton	Springfield
Conrad, Werner	Berlin, Germany
Cook, Samuel	Coeur d'Alene, Idaho
Cooper, Genevieve	Independence
Copenhaver, Mary Lucile	Springfield
Cornell, Anson	Portland
Coshow, John M.	Hood River
Cossmann, James	Creswell
Cowden, Corina Bess	Silverton
Cowden, Norton	Silverton
Cowden, Palm May	Silverton
Cox, Nellie	Eugene
Crabtree, Lautus	Eugene
Crain, Harry	Bandon
Crenshaw, Jesse H.	Eugene
Crosby, Eulalie	The Dalles
Cross, Georgiana	Oregon City
Crowell, Dean	Albany
Crump, Helen	Eugene
Curry, Helen	La Grande
Curtis, Emmett	Eugene
Cushman, Bess	Brownsville
Cushman, Lela	Brownsville
Cuyler, Mary E.	Eugene
Darby, John	Pomeroy, Wash.
Davies, A. H.	Portland
Davis, Paul	Eugene
Dawson, Cloyd	Tillamook
DeBar, Bryant	Eugene
DePue, Frances	Springfield
Deuel, Catherine	Medford
Devaney, Elizabeth	Boise, Idaho
Devaney, Lucy	Boise, Idaho
Deyoe, Claire	Eugene
Dimm, Walter	Eugene
Dinneen, Lawrence	Portland

NAME.	HOME ADDRESS.
Dixon, George	Eugene
Dobie, Norma	Madison, Wis.
Dominique, Ellen	Hillsdale
Donaca, Thomas	Lebanon
Donald, James	Baker
Dorris, Ben F.	Eugene
Dorris, Ruth	Eugene
Dougherty, Mona	Wallowa
Downing, Hazel	Salem
Drill, Ferris Marie	Yamhill
Dudley, Glenn G.	Athens
Dunbar, Fred B.	Klamath Falls
Duncan, Harriet	Oregon City
Dunham, Flora Alice	Portland
Dunlap, Agnes	Central Point
Dyott, Gaven	Portland
Eakin, Wallace	Astoria
Early, Reymund B.	Hood River
Easterwood, William	Baker
Eastham, Vera Valene	Eugene
Elliott, Agnes Elizabeth	Prineville
Elliott, John J.	Salem
Elton, Eugene A.	The Dalles
Ely, Helen Bernice	Golden
Emery, Edythe N.	Corvallis
Ensley, Earl	Drain
Epperly, Albert M.	Lebanon
Erdmann, Clara Agnes	Elmira
Ewbank, Leola	Eugene
Fariss, J. Robert	Eugene
Fee, Chester A.	Pendleton
Fenton, C. B.	Dallas
Fenton, Charlie Roberta	Portland
Fenton, Francis Boyce	McMinnville
Fenton, Lucile	Portland
Ferguson, Mina	Portland
Fields, Russell	Salem
Fitzgibbon, Harold	Portland
Fitzmaurice, Robert	Condon
Fleishman, Benjamin G.	Eugene
Fleming, Raeman	Portland
Fletcher, Mrs. E. L.	Eugene
Ford, Hugh P.	Eugene
Ford, Neal	Eugene
Fortmiller, Earl	Albany
Foster, Wilmot	South Junction
Fowler, Charles	Portland
Fowler, Henry	Portland
Frale, Rita	Eugene
Fujimaki, Samuel	Yamanashi, Japan
Furney, Leo	Astoria
Furrow, Louis E.	Eugene
Furuset, Elmer	Eugene
Fyne, Hannah	The Dalles
Galloway, J. F. T.	Elgin
Garland, Isabella	Lebanon
Garrett, Vernon	Medford
Gaston, Ira	Astoria
Geary, Roland	Portland
Geisler, Carlyle	Portland
Genn, Vernon	Eugene

Students Enrolled

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NAME.	HOME ADDRESS.
Gerig, Mildred	Medford
Ghormley, J. C.	Rath, U. P., India
Giles, Raymond	Bellefourche, S. Dak.
Giifilen, Hermon	Bellingham, Wash.
Gilpin, Joe Henry	Portland
Glass, David	Myrtle Creek
Glatt, Raymond	Woodburn
Goldsmith, Meta	Eugene
Good, Eugene	La Grande
Goodwin, Marsh H.	Eugene
Gorman, Raymond	Cathlamet, Wash.
Gould, Nathaniel Ordway	Portland
Grady, Harold	La Grande
Graves, Norma	Portland
Gray, Lois Elizabeth	Eugene
Graybill, Gladys	Nampa, Idaho
Green, Paul D.	Eugene
Grout, Alva	North Bend
Gurney, Elsie	Eugene
Hadley, Evah	Newberg
Hager, Marie	Heppner
Hager, Sybil	Heppner
Halbrook, Leroy	Omaha, Neb.
Hales, Annie	Klamath Falls
Hales, Elizabeth	Eugene
Hall, Ada	Eugene
Hall, Elmer	Baker
Hall, Howard	Eugene
Hammer, Laura	Lents
Hammond, Stephanie	Eugene
Hampton, Claud	Pendleton
Hamstreet, Harold	Sheridan
Hardesty, Fred	Astoria
Harding, Evelyn	Oregon City
Haroun, Emma	Eugene
Hartley, Albert	Silverton
Harvey, Edna	Eugene
Haseltine, Sarah	Springfield
Hawkins, Margaret	Portland
Hays, Robert	Portland
Heath, Frances	Eagle Point
Heidenreich, Henry	La Grande
Heider, Otto	Sheridan
Heissler, Clara Betty	Portland
Helm, McKinley	Lewiston, Idaho
Henderson, G. Clair	Portland
Hendricks, Leland	Salem
Hendricks, Paul	Salem
Henline, Oala	Arkalon, Kansas
Hentze, Ejner	Junction City
Heuser, Wm. B.	Portland
Higgins, Eva	Thurston
Hill, Mary Alice	La Grande
Hill, Maurice	Athena
Hockersmith, Alta	The Dalles
Hoffer, Ruth	Eugene
Hoffman, H.	Portland
Hoisington, Louis	Eugene
Holbrook, Norman	Portland
Holcomb, Blair	Portland
Holden, William	Portland
Holt, William	Holland, Texas
Hoon, Bertha	Milton

NAME.	HOME ADDRESS.
Hough, Rieta Campbell	Eugene
Houston, Willard	Portland
Howard, Thornton	Oregon City
Howe, Henry	Eugene
Huggins, Jennie	Portland
Hughes, Earl	Portland
Humbert, Harold Franklin	Eugene
Hunt, Irene M.	Roseburg
Hunter, Jennie	Roseburg
Hunter, Sophia	Roseburg
Huntington, Hollis Wilson	The Dalles
Hurd, Lionel Roscoe	Florence
Husband, Evangeline	Eugene
Huston, John W.	Heppner
Hyde, Maurice H.	Portland
Ingham, M. DeEtta	Portland
Ingram, Marion Kathryn	Valdez, Alaska
Jackson, Leon Shelton	Portland
Jackson, Minnie Bernice	Medford
Jarvis, Opal	Eugene
Jaureguy, Anthony	South Tacoma, Wash.
Jaureguy, Nicholas	South Tacoma, Wash.
Jerard, Bertrand	Pendleton
Jewell, Jesse Dale	Portland
Johns, Helen	Pendleton
Johnson, Florence	Portland
Johnson, Frank	Eugene
Johnson, Helen	Eugene
Johnson, Ida	Eugene
Johnson, Roy	Gresham
Johnstone, Malcolm	Arlington, Wash.
Jones, Joseph	Portland
Kaiser, Joe	Salem
Kay, Edward Rector	Spokane, Wash.
Kay, E. W.	Salem
Keizer, Russell	Salem
Kellems, Jesse	Eugene
Kem, Myrtle	Cottage Grove
Kendall, Florence Oswald	Portland
Kiddle, Fred Edward	Island City
Kincaid, Bertha	Ashland
Kincaid, Maude	Ashland
King, Dalzel	Myrtle Point
King, Edith	Portland
Kingsley, George A.	Portland
Kinsey, Georgia	Eugene
Kirk, Walter	Salem
Kirkpatrick, Hugh	Lebanon
Kirkpatrick, Katherine	Lebanon
Knapp, Stanley M.	Eugene
Knight, Hazel	Dallas
Knox, Rozella	Portland
Koch, Lester Edwin	Eugene
Koyl, Carolyn	Eugene
Krause, Emma	Oberlin, Ohio
Kuck, Harry L.	The Dalles
Kust, Helen Irene	Wallowa
Lackey, William E.	Eugene
Ladd, Lois Mary	Portland
Laird, Erma	Pleasant Hill

NAME.	HOME ADDRESS.
Lake, James A.	The Dalles
Lane, Edward Erie	Walla Walla
Langley, Robert W.	Portland
Larwood, Donald W.	Eugene
Lawrence, Mildred	Portland
Lawrence, Ruth	Medford
Leche, David H.	Portland
Lee, Alfred	Baker
Leggett, John F.	Eugene
Leiter, Alice Louise	Portland
Leonard, Ruth Emma	Portland
Lewis, Frank M.	Portland
Lieser, Jessie	Vancouver, Wash.
Liewallen, Hugh	Athena
Lilly, Beatrice	Portland
Lilly, Grace	Portland
Lindley, Cecil F.	Eugene
Littlefield, Beatrice	Minam
Livingston, Mrs. Ruth	Eugene
Locke, Beatrice	Portland
Lockerbie, Harold Gordon	Brownsville
Lombard, H. W.	Eugene
Lombard, Nellie	Eugene
Loucks, Elton C.	Portland
Lowry, Charles	Eugene
Lucas, Bernice	Portland
Lyons, Stewart	Portland
Macken, Marjorie	Springfield
Mackenzie, Grace	Portland
Macklin, Lucia	Portland
Mac Laren, Ruth	Portland
Malarkey, Leo John	Warrenton
Mann, Frances	Springfield
Mann, Lawrence	Portland
Mann, Margaret	Springfield
Marshall, Edison	Medford
Martin, Alexander	Eugene
Martin, Rupert Elmer	Ardmore, Okla.
Martyn, Wallace	Portland
Mastick, Maud	Portland
McAlister, Cecile	Eugene
McCallum, James Henry	Eugene
McClaine, S. Eleanor	Silverton
McCarthy, Joseph	Portland
McCloskey, Reta	Myrtle Point
McConahy, Burrce	Monroe
McConnel, Graham	Boise, Idaho
McCormick, Edith Vaughn	Eugene
McCornack, Helen	Spokane, Wash.
McCornack, Robert	Spokane, Wash.
McCulloch, Howard	Portland
McDonald, Claude*	Portland
McFarland, Dan	Grants Pass
McFarland, Myra Elsie	Eugene
McGilchrist, Millar	Salem
McGuire, Marjorie	Portland
McMillan, Charles	Garibaldi
McLauchlan, Agnes A.	Portland
McLean, Agnes Millican	Eugene
Meek, Edward Colton	Portland
Meek, Delphie Helen	Coburg
Melzer, Frederick	Baker
Meredith, Helen Elizabeth	Portland

NAME.	HOME ADDRESS.
Merrell, Mrs Verona	Eugene
Merriam, Howard Sumter	Eugene
Merrick, Emerson	Medford
Michael, Sam	Portland
Mickey, Martel Irvin	Eugene
Miller, Gertrude C.	Moscow, Idaho
Miller, Joseph Chester	Portland
Miller, Lillie S.	Pioneer
Miller, Mabel Salena	Eugene
Miller, Marjorie	Eugene
Miller, Waldo	Portland
Minturn, Charles H.	Eugene
Minturn, Elizabeth	Eugene
Moe, Roger W.	Hood River
Moffat, Vera Myrtle	Eugene
Moffet, Florence	Vale
Montgomery, William	Portland
Moore, Merle S.	Eugene
Moore, Victor	Astoria
Moorhead, Josephine	Junction City
Morden, Parks	Portland
Morris, Victor	Eugene
Morrison, Earl	Eugene
Moxley, Edith Francis	Eugene
Motschenbacher, Vernon	Klamath Falls
Mountjoy, L. M.	Eugene
Mowe, Hubert	Forest Grove
Murphy, William	Portland
Myers, Walter	The Dalles
Naylor, Carl A.	Las Pascadas, Canal Zone
Neill, May	La Grande
Nelson, Chas. R.	La Fayette
Nelson, Clarence N.	Eugene
Nelson, Martin	Astoria
Neufeld, Anna	Berlin, Germany
Newberry, Maud Rose	Medford
Newland, Nellie	Eugene
Nickelsen, William Donald	Hood River
Norcross, Paul	Central Point
Noren, Aline E.	Portland
Norman, Ruth	Milton
Normandin, Herbert	Portland
Norris, J. P.	Eugene
Northrop, Harmon	Eugene
Northrop, Katherine	Eugene
Norton, Mae A.	Portland
Oberholtzer, Aldous	Spokane, Wash.
Oberteuffer, Herman	Portland
O'Connell, Allen Wilbur	Portland
O'Farrell, Mary Ellen	Eugene
Ogasawara, Kensei	Tokyo, Japan
Ogle, Clairel Le Roy	Woodburn
Olsen, Arthur	Portland
Onthank, Donald George	Hood River
Pack, James A.	Boise, Idaho
Pague, Donald	Portland
Painter, William C.	Belton, Mo.
Pandit, Maganlal	Idak State, India
Palmquist, Raymond	Gresham
Parcell, Charles	Portland
Parks, Lois	Junction City

Students Enrolled

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NAME.	HOME ADDRESS.
Parr, Hulda	Laurel
Parr, Lynn Albert	Woodburn
Parsons, John	Portland
Pattee, Clyde	Hood River
Payne, Floyd E.	Athens
Pearce, Ruth	Eugene
Pearson, Alex.	Eugene
Pefley, Harlen	Boise, Idaho
Pengra, Arthur H.	Eugene
Peringer, Cecil Jasper	Bellingham, Wash.
Perkins, Bernice	Baker
Perkins, Leah	Cottage Grove
Perkins, Vera Evelyn	Springfield
Peterson, Dean	Portland
Peterson, Virginia	Astoria
Petzold, Erna Eleonore	Oregon City
Phillips, Bernice Alleen	Baker
Phillips, Clyde E.	Portland
Pinkerton, Floyd F.	Athens
Pobst, Leonidas Sherman	Baker
Poley, Minnie	Ashland
Polhemus Harriette Mary	Portland
Potter, Leo A.	Eugene
Poulsen, Olga Marion	Portland
Prather, Georgia	Hood River
Pratt, C. Harlow	Eugene
Pratt, Robert	Eugene
Pratt, Margaret	Eugene
Price, Rose Marie	Oregon City
Provost, Francis	Bay City
Purdy, Ethel	Eugene
Purdy, Jessie	Medford
Purdy, L. H.	Lewiston, Idaho
Putnam, Ralph Lloyd	San Jose, Cal.
Putnam, Rex	Springfield
Quigley, Harold Wilfrid	Portland
Rader, Hazel V.	Medford
Raley, Claire	Pendleton
Ralston, Hazel Laura	Portland
Ralston, Rolla E.	Albany
Ralston, Russell	La Grande
Ramage, Mary F.	Eugene
Rankin, Marguerite	Portland
Rasmussen, Ralph	Portland
Rathbun, Emmett	Portland
Reed, Marion	Merlin
Reed, Orin A.	Myrtle Point
Rees, Florence	Newberg
Reifel, George Frederick	Astoria
Reigard, Max	Marshfield
Renfro, Charles H.	Eugene
Reynolds, Charles	Silverton
Reynolds, Clarence W.	Eugene
Rhodes, Effie	Portland
Rice, Donald	Portland
Rice, Lyman	Pendleton
Riddle, Mildred	La Grande
Riggs, Robert Milton	Klamath Falls
Risley, Ethelind	Milwaukie
Risley, Olive	Milwaukie
Roberts, Elliott	The Dalles
Roberts, Gladys	Marshfield

NAME.	HOME ADDRESS.
Roberts, Loren	The Dalles
Robinson, Helen	Eugene
Robinson, James Kenneth	Portland
Roche, Ruth	Eugene
Rorden, Myrtle V.	The Dalles
Rorer, Mildred	Shawnee, Okla.
Rosa, Archie H.	Bandon
Ross, Floyd C.	Wenatchee, Wash.
Rowell, Lee A.	Prineville
Ruch, Giles M.	Eugene
Runquist, Albert	Portland
Runquist, Arthur	Portland
Rutherford, Ellwyn	Eugene
Ryan, Herbert	Gresham
Ryan, William B.	Portland
Sakaino, Bunro	Tokio, Japan
Sammons, Gordon W.	Falls City
Saunders, Claud Everett	New Bridge
Saurilas, Demetrios N.	Ebocas, Greece
Sawyer, Cecile Hardy	Brownsville
Scaiefe, Benjamin F.	Eugene
Schaefer, John William	Vancouver, Wash.
Schaefer, Katie	Portland
Schmidt, Ben H.	Eugene
Scholl, A. P.	Portland
Schreder, Albert	Eugene
Sears, Charlotte Strong	Eugene
Sears, Ruth W.	Eugene
Sengstake, Lila	Portland
Sexton, Velma	Eugene
Shaffner, Grant W.	Eugene
Shaver, Genevieve	Portland
Shaver, John Willard	Hillsdale
Sheahan, Joseph William	Oregon City
Shearer, Ellice	Portland
Sheldon, Mrs. Eberle	Eugene
Shelton, Charles J.	Union
Shepherd, Lucile	Portland
Sherwood, Gretchen	Coquille
Shoemaker, Frances Eleanor	Eugene
Sieler, Rose	Spokane, Wash.
Sieler, Victor	Spokane, Wash.
Signor, Claude Vernon	Springfield
Simkins, Cleveland S.	Salem
Simmons, Edmund W.	Portland
Simons, Flora E.	Albany
Sims, Clifford M.	Eugene
Sims, Henry W.	Eugene
Sivenius, Charles Victor	Portland
Skei, Alfred	Mt. Angel
Slater, Anita	Portland
Smith, Byron H.	Springfield
Smith, Mabel B.	The Dalles
Smith, Myrtle E.	The Dalles
Smith, Ruth Gladys	Eugene
Smythe, Donald DeCou	Colorado Springs, Colo.
Snell, Elizabeth L.	Junction City
Sommer, Max	Portland
South, Floyd	Tehama, Calif.
Spangler, Margaret Norton	Eugene
Sparkman, Annabel M.	Eugene
Sparkman, Cornelius	Eugene
Spellman, Sterling B.	Seattle, Wash.

NAME.	HOME ADDRESS.
Staggs, Ira D.	Spokane, Wash.
Staiger, Franklin	Portland
Standard, Delbert C.	Portland
Stanfield, Katherine	Portland
Starr, Hubert	Eugene
Stater, Wayne J.	McMinnville
Stauffer, Margaret	Portland
Stearns, Merle	Eugene
Stebno, Beulah A.	Eugene
Steiber, Lyle	Jefferson
Steiber, Ruby M.	Jefferson
Stephens, Roy Thomas	Portland
Stetson, Mrs. Eva	Eugene
Stevens, Pearl	Aberdeen, S. D.
Stevenson, George Eckler	Eugene
Stevenson, Mary Frances	Medford
Stickles, Fred G.	Eugene
Still, Edith L.	Milton
Stoddard, Clarence	Eugene
Stoddard, Milton Arthur	La Grande
Strang, Jessup	Salem
Stuart, Kathleen	Eugene
Stuller, Everett R.	Baker
Sullivan, Mary Irene	Medford
Sun, Woo	Salem
Swain, Robert Franklin	Portland
Sweek, Cyrus Arden	Burns
Sweeney, Raymond Joseph	Kelso, Wash.
Tatsugami, Tetsutaro	Japan
Tate, Bess	Wasco
Taylor, Constance S.	Portland
Taylor, J. Hugh	Portland
Telford, John Pattison	Oregon City
Terpening, Maurice	Eugene
Thiele, Martina H.	Portland
Thienes, Clinton Hobart	Eugene
Thomas, Carl F.	Portland
Thompson, Burtron	The Dalles
Thorsett, Henry L.	Marcola
Thrall, Anne Florence	Eugene
Thurston, Alice Elizabeth	Wells
Tiffany, Grace Isabel	Eugene
Tinker, Alice Miriam	Eugene
Tobey, Myrtle Grace	Eugene
Tolpolar, Anna Louise	Oregon City
Tominaga, Jokichi	Seattle, Wash.
Tooze, Ethel	Salem
Tooze, Lamar	Salem
Tooze, Leslie	Salem
Tozier, Jewel	Eugene
Tracer, Roy	Junction City
Trowbridge, Henry	Portland
Truman, Cora	Eugene
Tuerck, William	Portland
Tupper, Andrew Cecil	Dilley
Turner, Bryan	Salem
Turner, Harold	Eugene
Tyler, Charles Maurice	Harrisburg
Vance, Irma Louise	Sutherlin
Van Duyn, Helen N.	Eugene
Van Orsdel, Pauline	Dallas
Van Marter, LaVerne	Portland

NAME.	HOME ADDRESS.
Vanvolkinburgh, Ellen	Clatskanie
Van Zante, Mabel	Portland
Veal, Roberta	Albany
Vosper, Ernest E.	Portland
Walker, Vivian D.	Garibaldi
Ward, Albert L.	Woodburn
Warner, Georgia Evelyn	Eugene
Warner, Lawrence	Eugene
Warner, Raymond	Eugene
Watkins, Hugh Ernest	Bandon
Watson, James L.	Vancouver, Wash.
Watson, Lucile Carmen	Spokane, Wash.
Watson, Katharine	Eugene
Watson, Richard Guyn	Eugene
Webber, Vera Ellen	Eagle Cliff, Wash.
Weiss, Mandell	Portland
Welch, John W.	Portland
Wells, Harold	Eugene
Wells, J. A.	Eugene
Wells, Robert R.	Eugene
Werlein, Helen Claire	Portland
Westerfield, Floyd C.	Grass Valley
Westfall, Ruth Amy	Eugene
Whalley, Margaret	Portland
Whallon, Owen Delbert	Nampa, Idaho
Wheatley, Jeannette	La Grande
Wheeler, Dorothy	Eugene
Wheeler, Glanville C.	Eugene
White, Walter E.	McMinnville
Whitman, J. Lawrence	Pendleton
Wiegand, Helen Lucile	Portland
Wiest, Oskar P.	Little Rock, Ark.
Wilhelm, John	Portland
Williams, Ernest E.	Independence
Williams, Leone	Dallas
Williams, Marjory	Eugene
Williams, Raymond	La Grande
Williams, Vera	Eugene
Williamson, Louise	Medford
Wise, Sam	Astoria
Withers, Mabel Clare	Eugene
Withycombe, Marie I.	Yamhill
Wolcott, Chester	Silverton
Wood, Iva Belle	Eugene
Wootton, Betsy W.	Astoria
Wootton, Emma B.	Astoria
Wray, Frank V.	Silverton
Wray, Robert Milton	Silverton
Wrightson, Hermes H.	Portland
Yoran, Lucile Marie	Eugene
Young, Bess	Red Bluff, Calif.
Young, Frederic Harold	Eugene
Young, Janet	The Dalles
Young, Ralph G.	Portland
Young, Robert H.	Heppner
Young, Wilma	Astoria
Zahl, Echo June	Portland
Zimmerman, Erma McKee	Eugene

SUMMER SCHOOL

NAME.	HOME ADDRESS.
Abright, Pauline	Eugene
Adams, Burt A.	Gold Hill
Allen, Louis H.	Eugene
Anderson, Carl Francis	Oregon City
Andrews, Roy C.	Eugene
Ash, Clarence E.	Portland
Baker, C. C.	Portland
Barnhart, A. Lester	Falls City
Barnhart, H. E.	Falls City
Barton, T. A.	Bonanza
Bean, Hawley J.	Salem
Beck, Callie B.	Eugene
Beckett, John W.	Heppner
Benner, Joseph	Lebanon
Blazier, Owen	Portland
Bond, J. H.	Forest Grove
Bouchet, Eugene	Condon
Bradshaw, Robert C.	The Dalles
Brewster, Luella	Eugene
Bridges, Beulah	Brownsville
Briscoe, George A.	Ashland
Broder, Emilie C.	Eugene
Buell, Edith	Eugene
Buell, Gertrude	Eugene
Burgard, William N.	Portland
Byers, Zina G.	Eugene
Campbell, Alberta	Eugene
Campbell, Lucia E.	Eugene
Clements, Edith	Roseburg
Cook, C. D.	Eugene
Corum, P. M.	Eugene
Curfman, E. R.	New Bridge
Dawson, Eliza V.	Tillamook
Dickerson, Rollien	Eugene
Dimm, Paul B.	Eugene
Dimm, Walter R.	Eugene
Dunwiddie, O. R.	Portland
Dixon, George B.	Eugene
Dunn, Claire	Eugene
Dunham, Flora	Portland
Dunton, F. E.	Molalla
Eaton, Pearl M.	Eugene
Epplott, Winnie	Tillamook
Fancher, C. R.	Eugene
Fenton, Lucile Margaret	Portland
Fleming, Raeman	Portland
Forsythe, Mary	Kimbolton, Ohio
Fortmiller, George Earl	Albany
Foster, Byron K.	Eugene
Fowler, Henry	Portland
Gibson, Ruth	Portland
Graves, Norma	Portland
Grayson, Carl M.	Portland
Gurney, Elsie G.	Eugene
Guthrie, Maude	Eugene
Hair, Mozelle	Eugene
Hall, Ada R.	Eugene
Hammarstrom, Ruby	Astoria
Hampton, A. C.	Pendleton
Hartley, Grace	Eugene
Hatch, J. B.	Lafayette
Hayden, Kate M.	Portland

NAME.	HOME ADDRESS.
Henline, Oala	Eugene
Hiser, Clay	Portland
Humbert, Harold F.	Eugene
Hunter, Stella	Island City
Hutchinson, Winslow	Hutchinson, Kas.
Inman, Laurel	Walterville
Johnson, Helen M.	Eugene
Jones, J. F.	Portland
Jones, O. H.	Irving
Kent, Mary E.	Eugene
Keezel, E. L.	Philomath
King, Myrtle	Eugene
Krause, Emma Marie	Oberlin, Ohio
Lamb, Elsie Lee	Tillamook
Lane, E. Erie	Walla Walla, Wash.
Mann, Margaret	Springfield
Mastick, Maud	Portland
McColl, C. R.	Gresham
McCormick, Vaughn	Eugene
McGavern, S. A.	Goshen
Mac Laren, Ruth	Hillsdale
McLauchlan, Agnes	Portland
McLean, Agnes Millican	Eugene
McMicken, Anna S.	Portland
Milam, G. W.	Ashland
Miller, Marjorie	Eugene
Miller, Waldo	Portland
Moore, Merle S.	Eugene
Neufeld, Anna	Berlin, Germany
Newton, Bessie	Gold Hill
Niemice, Nusia	Portland
Onthank, Karl W.	Hood River
Park, A. T.	Myrtle Point
Park, Pearl	Myrtle Point
Phillips, Clarence	Scotts Mills
Poley, Minnie	Ashland
Proctor, Edna M.	Gold Hill
Purdy, Jessie	Medford
Purdy, L. H.	Lewiston
Ramage, Will	Eugene
Rice, Lyman G.	Pendleton
Risley, Ethelind	Milwaukie
Roe, Elizabeth	Silverton
Rolfe, Erwin M.	Eugene
Rueter, Emma	Portland
Sanborn, Ethel Ida	Eugene
Schenk, Elizabeth	Eugene
Schenk, Frances	Eugene
Sears, Ruth W.	Eugene
Seaton, Lillian	Manila, P. I.
Sherwood, Robert A.	Portland
Schramm, Elwina E.	Salem
Schreder, Emily	Bend
Schwan, William	Portland
Skei, Alfred	Mt. Angel
Sloan, W. F.	Camp Crook, S. D.
Smith, Mabel B.	The Dalles
Smith, Ruth	Eugene
Snell, Elizabeth	Junction City
Sowers, Georgia	Tillamook
Staiger, Franklin W.	Portland
Stanard, Delbert C.	Portland
Stearns, Merle	Eugene
Stevens, Pearl	Eugene

NAME.	HOME ADDRESS.
Stewart, Sallie W.	Helena, Mont.
Strachan, Lexie	Dufur
Strang, A Jessup	Salem
Thrall, Florence	Eugene
Thurston, Alice Elizabeth	Wells
Tobey, Myrtle	Eugene
Todd, Vera	Eugene
Tooze, Ethel	Salem
Tyler, Chas.	Coburg
Vanvolkinburgh, Ellen	Clatskanie
Watson, R. Guyn	Eugene
Weber, A. H.	Brownsville
Wight, D. W.	Canyonville
Wilhelm, J. O.	Portland
Williams, Vera	Eugene
Witzel, Edith	Salem
Young, Wilma C.	Vancouver, B. C.

MEDICAL SCHOOL

SENIORS.

*Anderson, Arvid Edgar	Hoquiam, Wash.
Anderson, Elmer Everette	Portland, Ore.
Bouvy, Harry Matthew	Ottawa, Kans.
*Cashatt, Carl Edward	Spokane, Wash.
*Dunham, George Clark	Portland, Ore.
*Edwards, Robert Lee	Portland, Ore.
*Hamilton, Charles William	Portland, Ore.
Hampton, Norman Claude	Canby, Ore.
*Hart, Ethel Neva	Portland, Ore.
Houser, Charles Dorsey	Milwaukie, Ore.
*Howard, Merle George	Brownsville, Ore.
*Hoy, L. Lorraine	Portland, Ore.
*Joseph, Emile Casper	Salem, Ore.
*Keizer, Phillip John	Salem, Ore.
*Kinney, Alfred Earle	Portland, Ore.
Larson, Carl Frederick	Portland, Ore.
*McRae, Raymond D.	Portland, Ore.
*Miller, Robert Bruce	Amity, Ore.
Moffat, Clinton Charles	Prosser, Wash.
Schwartz, Harry	Portland, Ore.
*Tharp, Henry Zophar	Salem, Ore.
*Tiedemann, Albert William	Vale, Wash.
*Vandever, John Clinton	Bend, Ore.
*Van Vlerah, Clyde C. B.	Portland, Ore.
*Wade, Charles Benjamin	Roseburg, Ore.
West, Melville Abbott	Rosalia, Wash.

JUNIORS.

Anderson, Walter Raleigh	Portland, Ore.
Blair, Harry Clyde	Elma, Wash.
*Bloom, Charles F.	Mill City, Ore.
Emery, Mark Watson	Gresham, Ore.
*Hart, Frank Cleveland	Portland, Ore.
*Hughes, John Patrick	Heppner, Ore.
*Jackson, Ivan Charles	Cornelius, Ore.
*Jones, William J.	Portland, Ore.
Lupton, Irving Martin	Portland, Ore.
*Margason, Eldridge Gerry	Portland, Ore.
*Miller, William Lewis	Portland, Ore.
*Mott, William Boyd	Salem, Ore.

NAME.	HOME ADDRESS.
Palmer, Dorwin L.	Portland, Ore.
*Palmer, Harold Charles	Prineville, Ore.
*Prime, Glenn Edward	Salem, Ore.
*Rice, Earle Milford	Salem, Ore.
Rinehart, Jackson Carle	Portland, Ore.
*Schmidt, Paul August	Oregon City, Ore.
*Steelhammer, Henry William	Silverton, Ore.

SOPHOMORES.

Belknap, Horace Preston	Prineville, Ore.
Black, Walter Wright	Portland, Ore.
*Butler, Frank E.	Salem, Ore.
*Carter, Charles Walter	Tacoma, Wash.
Grossman, Albert Allen	Portland, Ore.
Harding, Harry S.	Portland, Ore.
*Lawton, Floyd Birdsell	Creswell, Ore.
Lewis, Claude Allen	Springbrook, Ore.
McColl, Charles B.	Gresham, Ore.
Munly, William Charles	Portland, Ore.
*Pomeroy, Roy Emmet	Salem, Ore.
Sherwood, Robert A.	Portland, Ore.
Stenberg, Edwin S.	Ormsby, Minn.
Thompson, Wilbur Hines	Gresham, Ore.
Trommald, Joseph Alexander	Portland, Ore.
*Ulvin, Henry Arthur	Silverton, Ore.
Viereck, Harry Christian	Tillamook, Ore.
*Waltz, Ray Marcus	Monroe, Ore.

FRESHMEN.

Christoffersen, Olof Harry	Tacoma, Wash.
Dellar, Isaac	Portland, Ore.
Hart, Lucille	Albany, Ore.
Hendershott, Roy Wheeler	Portland, Ore.
Kehres, Harvey E.	Portland, Ore.
Lamb, Ernest Dolph	Eugene, Ore.
Levy, Murray M.	Portland, Ore.
Lieser, Ralph Lester	Vancouver, Wash.
Loundagin, James Albert	Garfield, Wash.
Thatcher, Herbert van Heekeren	Portland, Ore.
Thielemann, Otto Rudolph	Portland, Ore.
Power, Marion Newberry	Sande Luca, Wash.
Tyler-Smith, Thurlow	Sheridan, Ore.

Note— Indicates those matriculants formerly enrolled in the Medical Department of Willamette University, and now enrolled in the Medical Department of the University of Oregon under the terms of the merger.

SCHOOL OF LAW

SENIORS.

Ackerman, W. A.	Portland, Ore.
Bartow, H. S.	Portland, Ore.
Bayless, Edna May	Portland, Ore.
Board, C. F.	Portland, Ore.
Borleske, R. V.	Portland, Ore.
Boyd, Hugh J.	Portland, Ore.
Braun, Elizabeth	Spokane, Wash.
Bristow, Aden	Portland, Ore.
Buchmann, E. J.	Portland, Ore.
Burns, T. T.	Portland, Ore.
Burt, E. A.	Portland, Ore.

NAME.	HOME ADDRESS.
Cavers, Laura E.	Orengo, Ore.
Compton, Ray B.	Portland, Ore.
Conelis, Louis	Portland, Ore.
Connolly, John	Portland, Ore.
Coston, Charles	Portland, Ore.
Deaver, Robert L.	Portland, Ore.
Derr, W. S. T.	Vancouver, Wash.
Downes, Marie G.	Portland, Ore.
Drumm, Frank C.	Gladstone, Ore.
Farmer, R. M.	Portland, Ore.
Fenn, Kathryn D.	Portland, Ore.
Fitzwater, Hazel	Portland, Ore.
Fogarty, Harry B.	Portland, Ore.
Ganoe, James H.	Portland, Ore.
Gillespie, E. J.	Portland, Ore.
Graden, Charles	Portland, Ore.
Green, B. A.	Portland, Ore.
Hedin, Newton G.	Portland, Ore.
Hess, Henry L.	Union, Ore.
Hodges, Charles M.	Portland, Ore.
Hohlt, Charles W.	Portland, Ore.
Holbrook, E. D.	Portland, Ore.
Jaqua, Ina	Portland, Ore.
Jensen, Fred	Portland, Ore.
Kane, McKinley	Portland, Ore.
Kauffman, William B.	Portland, Ore.
Kleeman, Felis P.	Portland, Ore.
Koehn, George L.	Portland, Ore.
Krause, L. Leonard	Portland, Ore.
Lerner, Benjamin H.	Portland, Ore.
Manning, Frank E.	Portland, Ore.
McClure, Frank	Portland, Ore.
McDougal, F. Clair	Portland, Ore.
McMath, George W.	Portland, Ore.
Miller, W. B.	Portland, Ore.
Mullin, George H.	Vancouver, Wash.
Munly, Raymond M.	Portland, Ore.
Murphy, W. E.	Portland, Ore.
Peters, J. W.	Portland, Ore.
Pfingsten, Henry F.	Portland, Ore.
Powell, Burns	Portland, Ore.
Pryor, Patrick J.	Portland, Ore.
Rankin, Nettie M.	Portland, Ore.
Reade, Clyde H.	Portland, Ore.
Richmond, William J.	Portland, Ore.
Robinson, David W.	Portland, Ore.
Smith, B. F.	Portland, Ore.
Smith, Seth L.	Portland, Ore.
Van Tine, D. T.	Portland, Ore.
Werlein, John E.	Portland, Ore.

JUNIORS.

Anderson, LeRoy C.	Portland, Ore.
Bauer, Henry	Portland, Ore.
Berry, Benjamin A.	Vancouver, Wash.
Black, Harvey N.	Portland, Ore.
Brown, Valentine, Jr.	Portland, Ore.
Burg, Q. C.	Portland, Ore.
Cabell, Rudolph W.	Portland, Ore.
Chatterton, Charles C.	Portland, Ore.
Colburn, Clarence C.	Portland, Ore.
Coles, Blaine B.	Portland, Ore.
Collins, William F.	Portland, Ore.

NAME.	HOME ADDRESS.
Clyde, Ralph	Portland, Ore.
Davis, Jay E.	Portland, Ore.
Dickson, Ashby C.	Portland, Ore.
Dudley, Frank	Portland, Ore.
Dunlap, William G.	Portland, Ore.
Dwyer, John	Portland, Ore.
Eastman, Barry C.	Portland, Ore.
Estes, George	Portland, Ore.
Ewen, John H.	Portland, Ore.
Failing, John C.	Portland, Ore.
Finnegan, James B.	Portland, Ore.
Fulton, A. C.	Astoria, Ore.
Gay, James S.	Portland, Ore.
Gomyo, Isago	Portland, Ore.
Gram, Arthur J.	Portland, Ore.
Hallack, Blaine	Portland, Ore.
Inlow, H. E.	Forest Grove, Ore.
Johnson, James G.	Portland, Ore.
Johnson, Phillip R.	Portland, Ore.
Jones, Howell	Portland, Ore.
Kehoe, Joseph W.	Portland, Ore.
Kelly, Thomas R.	Portland, Ore.
Knispel, Julius W.	Portland, Ore.
Kramer, Edward B.	Portland, Ore.
Lagerfeld, Joseph A.	Portland, Ore.
Lincoln, Reginald J.	Portland, Ore.
Mackenzie, W. John	Portland, Ore.
Mason, Landor R.	Portland, Ore.
Masten, H. Y.	Portland, Ore.
Mathison, Enoch E.	Portland, Ore.
McCoy, H. L.	Portland, Ore.
McElroy, Mrs. Wilmetta	Portland, Ore.
McGinn, William J.	Portland, Ore.
McGrew, Frederick E.	Portland, Ore.
Miller, Lee F.	Portland, Ore.
Mobley, David A.	Portland, Ore.
Moore, George E.	Portland, Ore.
Moulton, Charles R.	Oregon City, Ore.
Mulligan, Raymond J.	Portland, Ore.
Murphy, George E.	Portland, Ore.
Murphy, Harry B.	Portland, Ore.
Nolander, W. A.	Portland, Ore.
Norden, Ben L.	Portland, Ore.
Nordling, Ben	Portland, Ore.
Poole, Samuel W.	Portland, Ore.
Reed, Merrill A.	Portland, Ore.
Rheude, Joseph B.	Portland, Ore.
Rice, Frank A.	St. Johns, Ore.
Rvan, Edward	Portland, Ore.
Schaefer, L.	Portland, Ore.
Scott, George F.	Portland, Ore.
Smith, Frank G.	Portland, Ore.
Spencer, Carleton	Cottage Grove, Ore.
Stoffer, Joseph	Portland, Ore.
Stott, Walter C.	Portland, Ore.
Taylor, LeRoy L.	Portland, Ore.
Taylor, Max C.	Portland, Ore.
Trueblood, Harrison W.	Portland, Ore.
Uji, Hidetaro	Portland, Ore.
Ulrich, Orin J.	Portland, Ore.
Walker, Dow V.	Portland, Ore.
Wallsted, George T.	Portland, Ore.

FRESHMEN.

NAME.	HOME ADDRESS.
Anderson, Arkie C.	St. Johns, Ore.
Arnold, Grace	Portland, Ore.
Bailey, Edward F.	Eugene, Ore.
Beatty, B. E.	Portland, Ore.
Berg, H. W.	Portland, Ore.
Boche, Philip F. A.	Portland, Ore.
Bonham, R. P.	Portland, Ore.
Boynton, Frederic R.	Portland, Ore.
Brown, Arthur E.	Portland, Ore.
Brown, Percival S.	Portland, Ore.
Brushoff, W. A.	Portland, Ore.
Burback, C. C.	Portland, Ore.
Butcher, J. H.	Portland, Ore.
Butler, Earl S.	Vancouver, Wash.
Cake, William M.	Portland, Ore.
Carter, R. V.	Portland, Ore.
Cohen, A. N.	Portland, Ore.
Cole, Cass D.	Portland, Ore.
Cook, Charles D.	Portland, Ore.
Conn, Ben H.	Portland, Ore.
Conway, J. D.	Portland, Ore.
Dalton, Alta M.	Portland, Ore.
Dean, W. W.	Portland, Ore.
DeWitt, Lulu	Portland, Ore.
Duffy, Charles B.	Portland, Ore.
Eastham, Edward L.	Portland, Ore.
Eckert, Paul Y.	Portland, Ore.
Edwards, O. G.	Portland, Ore.
Erkins, John J.	Portland, Ore.
Fike, J. V.	Vancouver, Wash.
Fraley, E. L.	Portland, Ore.
Frazer, Kenneth T.	Portland, Ore.
Funk, George R.	Portland, Ore.
Gambee, E. E.	Portland, Ore.
Glennan, John J.	Portland, Ore.
Glover, Mrs. Helen	Portland, Ore.
Glover, R. H.	Portland, Ore.
Goodman, Benjamin	Portland, Ore.
Green, G. L.	Portland, Ore.
Greene, C. H.	Portland, Ore.
Greenhaw, B. H.	Portland, Ore.
Gritzmacher, C. H.	Portland, Ore.
Haizlip, W. R.	Portland, Ore.
Hall, W. R.	Portland, Ore.
Hallester, R. W.	Portland, Ore.
Hammond, J. W.	Portland, Ore.
Hankins, Glen A.	Oregon City, Ore.
Hardie, J. B.	Portland, Ore.
Harkson, S.	Portland, Ore.
Hatfield, R. H.	Portland, Ore.
Haynes, Harold	Portland, Ore.
Hazard, H. B.	Portland, Ore.
Heaney, F.	Portland, Ore.
Hendrickson, C. H.	Portland, Ore.
Herdman, H. H., Jr.	Portland, Ore.
Hillyard, Flora F.	Portland, Ore.
Illidge, William A.	Portland, Ore.
Jones, L. F.	Portland, Ore.
Keller, W. G.	Portland, Ore.
Kibbee, Wallace	Oak Grove, Ore.
Kincaid, M. B.	Portland, Ore.
King, Frances	Portland, Ore.
Korell, W. H.	Portland, Ore.

NAME.	HOME ADDRESS.
Kraut, E. M.	Portland, Ore.
Kreason, Robert S.	Portland, Ore.
Lansing, Ted	Portland, Ore.
Lynch, P. M.	Portland, Ore.
Macfarland, S. F.	Portland, Ore.
Mahaffy, E. P.	Portland, Ore.
Magius, E. J.	Portland, Ore.
Maguire, T. H.	Portland, Ore.
Manghum, Leon	Portland, Ore.
Mattley, Maud	Portland, Ore.
McBride, Anna L.	Portland, Ore.
McCarl, R. S.	Portland, Ore.
McGinty, F. P.	Portland, Ore.
McKnight, L. B.	Portland, Ore.
McManus, M. F.	Portland, Ore.
McMenamin, F. A.	Portland, Ore.
Melchior, C. B.	Portland, Ore.
Meredith, George	Portland, Ore.
Miller, Sol	Portland, Ore.
Mills, L. S.	Portland, Ore.
Murphy, J. E.	Portland, Ore.
Neilson, G. W.	Vancouver, Wash.
Newton, L. T.	Portland, Ore.
Oppenheimer, E. K.	Portland, Ore.
Ordeman, E. L.	Portland, Ore.
Parks, M. T.	Portland, Ore.
Patterson, G.	Portland, Ore.
Phillips, W. L.	Portland, Ore.
Pinder, Edgar	Portland, Ore.
Rotter, C. T.	Portland, Ore.
Rice, Harry J.	Portland, Ore.
Raymond, Grant M.	Portland, Ore.
Read, R. F.	Portland, Ore.
Roberts, W. E.	Portland, Ore.
Ross, M. A.	Portland, Ore.
Sauvie, Louis	Portland, Ore.
Schramm, R. A.	Oak Grove, Ore.
Shanks, W. S.	Portland, Ore.
Sharp, F. Beverly	Vancouver, Wash.
Sherwood, H. M.	Portland, Ore.
Smith, W. F.	Portland, Ore.
Smith, W. J.	Portland, Ore.
Solomon, E. J.	Portland, Ore.
Southard, E. E.	Portland, Ore.
Spaulding, G. L.	Portland, Ore.
Stevens, A. N.	Portland, Ore.
Stevens, W. W.	Portland, Ore.
Stone, E. B.	Portland, Ore.
Stoughton, L. D.	Portland, Ore.
Streibig, F. J., Jr.	Portland, Ore.
Vanstrom, A. E.	Portland, Ore.
Wagner, Lou	Portland, Ore.
Warner, Harold	Portland, Ore.
Watkins, W. F.	Portland, Ore.
Wentworth, T. H.	Portland, Ore.
West, James	Portland, Ore.
Whitney, E. L.	Portland, Ore.
Wilcox, Birt	Portland, Ore.
Wilkins, W. K.	Eugene, Ore.
Williams, J. A.	Portland, Ore.
Wold, S. A.	Aberdeen, Wash.

SCHOOL OF MUSIC

NAME.	HOME ADDRESS.
Abbett, Ferris	Eugene, Ore.
Apperson, A. L.	Eugene, Ore.
Archer, Gladys	Eugene, Ore.
Ash, Ralph	Portland, Ore.
Auld, Lillian	Eugene, Ore.
Avery, Florence	Hood River, Ore.
Ayer, Mrs. Fred	Eugene, Ore.
Baker, C. C.	Portland, Ore.
Barr, Lola	Eugene, Ore.
Barrett, Alice	Eugene, Ore.
Bean, Marcel	Eugene, Ore.
Bean, Elizabeth	Eugene, Ore.
Bertsch, Mabel	Springfield, Ore.
Bingham, Grace	Eugene, Ore.
Black, Anna	Milton, Ore.
Black, John	Portland, Ore.
Black, T. T.	Eugene, Ore.
Bond, Lewis A.	Eugene, Ore.
Bristow, Greta Elizabeth	Eugene, Ore.
Bristow, Helen	Eugene, Ore.
Brock, Eva L.	Hood River, Ore.
Brotherton, Clarence	Waitsburg, Wash.
Brown, Elaine	Eugene, Ore.
Brown, Ethel	Portland, Ore.
Bryson, Lyle	Eugene, Ore.
Bryson, Roy	Eugene, Ore.
Calkins, Jeanette	Eugene, Ore.
Cammon, Margaret	Eugene, Ore.
Campbell, Grace	Spokane, Wash.
Campbell, Jane	Eugene, Ore.
Campbell, Alberta	Eugene, Ore.
Carroll, Cleone	Eugene, Ore.
Carson, Catherine	Salem, Ore.
Carson, Amy	Springfield, Ore.
Carter, Hallie	Eugene, Ore.
Casebeer, Lloyd	Eugene, Ore.
Chaffee, Esther	Eugene, Ore.
Cherry, Irene	Eugene, Ore.
Church, Walter	Eugene, Ore.
Coleman, T. H.	Eugene, Ore.
Cowden, Norton	Silverton, Ore.
Day, Helen	Eugene, Ore.
Day, Marion	Eugene, Ore.
Dineen, Lawrence	Portland, Ore.
Dixon, Mrs. A. C.	Eugene, Ore.
Dixon, Dorothy	Eugene, Ore.
Dixon, Mrs. T.	Eugene, Ore.
Dougherty, Mona	Wallowa, Ore.
Dresser, Helen	Eugene, Ore.
Drill, Ferris	Eugene, Ore.
Duraneimer, Rita	Eugene, Ore.
Eaton, Betty	Eugene, Ore.
Edwards, Verna	Eugene, Ore.
Edmundson, Donna	Goshen, Ore.
Emery, Edythe	Corvallis, Ore.
Emery, Hazel	Corvallis, Ore.
Everson, Lida	Eugene, Ore.
Fagan, Mrs.	New Zealand
Farris, Robert	Eugene, Ore.
Farris, Jessie	Eugene, Ore.
Fellman, Kola	Eugene, Ore.
Fisher, Doreen	Eugene, Ore.

NAME.	HOME ADDRESS.
Fletcher, Meader	Eugene, Ore.
Flynn, Margaret	Eugene, Ore.
Frazier, George	Eugene, Ore.
Frazier, Brownell	Eugene, Ore.
Frazier, Janet	Eugene, Ore.
Fyne, Hannah	The Dalles, Ore.
Gerig, Mildred	Portland, Ore.
Gilbert, Helen	Eugene, Ore.
Gilbert, Mrs. J. H.	Eugene, Ore.
Gillette, Albert	Eugene, Ore.
Gillette, Mary Alice	Eugene, Ore.
Gilstrap, Marian	Eugene, Ore.
Green Myrtle	Eugene, Ore.
Hadley, Evah	Newberg, Ore.
Hager, Sybil	Heppner, Ore.
Hager, Marie	Heppner, Ore.
Hales, Virginia	Eugene, Ore.
Hales, Elizabeth	Eugene, Ore.
Hampton, Gladys	Eugene, Ore.
Haroun, Emma	Eugene, Ore.
Hartung, Dorothy	Eugene, Ore.
Hendershott, Bess	Eugene, Ore.
Hendershott, Emo	Eugene, Ore.
Hill, Mary Alice	La Grande, Ore.
Hill, Eva	Junction City, Ore.
Holcomb, Blair	Portland, Ore.
Holman, Edna	Oregon City, Ore.
Holmes, Aileen	Eugene, Ore.
Hollis, Orlando	Eugene, Ore.
Hughes, John	Eugene, Ore.
Humbert, Harold	Eugene, Ore.
Husband, Victor	Eugene, Ore.
Hyde, Maurice	Portland, Ore.
Johns, Helen	Portland, Ore.
Kem, Myrtle	Cottage Grove, Ore.
Kirkpatrick, Katherine ..	Lebanon, Ore.
Knox, Rozella	Portland, Ore.
Korn, Alfaus	Eugene, Ore.
Koyl, Charles	Eugene, Ore.
Kust, Helen	Wallowa, Ore.
Lamb, Vida	Eugene, Ore.
Larson, Arthur	Eugene, Ore.
Lime, Marian	Eugene, Ore.
Livermore, Gertrude	Eugene, Ore.
Lockard, Eugene	Eugene, Ore.
Lockard, Stella	Eugene, Ore.
Lombard, Nellie	Eugene, Ore.
Ludford, Erma	Eugene, Ore.
Mackenzie, Grace	Portland, Ore.
Malmburn, Charlotte	Eugene, Ore.
Marsters, D. E.	Eugene, Ore.
Martin, Jerry	Eugene, Ore.
Mast, Leta	Coquille, Ore.
McAlister, Fay	Eugene, Ore.
McClaine, Eleanor	Silverton, Ore.
McCloskey, Murl	Myrtle Point, Ore.
McClure, Nellie	Eugene, Ore.
McConahy, Burree	Molalla, Ore.
McCracker, Leota	Springfield, Ore.
McKowen, Miss E.	Eugene, Ore.
McMurphy, Lila	Eugene, Ore.
McMurphy, George	Eugene, Ore.
McMurphy, Elsie	Eugene, Ore.
McMurphy, Ada	Eugene, Ore.

NAME.	HOME ADDRESS.
Merrick, Emerson	Medford, Ore.
Mickleson, Esther	Eugene, Ore.
Middleton, Mrs. A.	Springfield, Ore.
Miller, E. K.	Eugene, Ore.
Milliron, Evelyn	Eugene, Ore.
Mitchell, Hattie	Enterprise, Ore.
Moore, French	Eugene, Ore.
Moorhead, Josephine	Junction City, Ore.
Morris, Beatrice	Eugene, Ore.
Morris, Eunice	Eugene, Ore.
Motschenbacher, V. T.	Klamath Falls, Ore.
Murphy, Nell	Portland, Ore.
Naylor, Carl	Corazal, Canal Zone
Nelly, Norma	Eugene, Ore.
Norton, Mae A.	Portland, Ore.
O'Donnell, George	Eugene, Ore.
O'Hara, Eleanor	Eugene, Ore.
Oleson, Mette	Eugene, Ore.
Onstad, Gordan	Eugene, Ore.
Orr, Hazel	Eugene, Ore.
Parks, Lois	Junction City, Ore.
Parker, Lois	Eugene, Ore.
Parsons, Dorothy	Eugene, Ore.
Perkins, Leah	Cottage Grove, Ore.
Perkins, Vera	Eugene, Ore.
Peterson, Virginia	Astoria, Ore.
Peterson, Curtis	Eugene, Ore.
Platt, Winona	Springfield, Ore.
Pobst, Sherman L.	Eugene, Ore.
Porter, Helen	Eugene, Ore.
Portwood, Helen	Eugene, Ore.
Potampa, Florence	Eugene, Ore.
Powell, Mrs. Rose	Eugene, Ore.
Purdy, Ethel	Medford, Ore.
Ralston, Hazel	Portland, Ore.
Reynolds, C. A.	Silverton, Ore.
Roberts, Mrs. O. E.	Eugene, Ore.
Rordon, Myrtle	The Dalles, Ore.
Roth, Esther	Eugene, Ore.
Rowland, Gladys	Eugene, Ore.
Rugh, Irene	Eugene, Ore.
Salvon, Nelle	Eugene, Ore.
Schaefers, Ann C.	Eugene, Ore.
Schwarzschild, Minnie	Eugene, Ore.
Shelley, Mrs. Frank	Eugene, Ore.
Sivenius, Charles V.	Eugene, Ore.
Skipworth, Harold	Eugene, Ore.
Smith, Helen	Eugene, Ore.
Snodgrass, Mrs. Amy	Eugene, Ore.
Sparks, Irene	Eugene, Ore.
Spencer, Annette	Eugene, Ore.
Stebno, Beulah	Eugene, Ore.
Stebno, Genevieve	Eugene, Ore.
Steubing, Vivian	Eugene, Ore.
Stevenson, Mary	Medford, Ore.
Sullivan, Irene	Medford, Ore.
Sullivan, C. L.	Springfield, Ore.
Taylor, Constance	Portland, Ore.
Tinker, Martha	Eugene, Ore.
Tinker, Marian	Eugene, Ore.
Trafzer, Weltha	Eugene, Ore.
Travis, Fredericka	Eugene, Ore.
Twidwell, F. E.	Eugene, Ore.
Vance, Irma	Eugene, Ore.

NAME.	HOME ADDRESS.
Wald, Lucile	Eugene, Ore.
Watkins, Ina	Eugene, Ore.
Watson, Lucile	Spokane, Wash.
Weber, Vera	Eagle Cliff, Wash.
Wetzel, Irene	Eugene, Ore.
Wheeler, Dorothy	Eugene, Ore.
Wheeler, Glenn	Eugene, Ore.
Wilke, Anna	Saskatchewan, Canada
Williams, Melba	Eugene, Ore.
Withers, Mable	Burns, Ore.
Wooton, Emma	Astoria, Ore.
Yoran, Beatrice	Eugene, Ore.
Yoran, Louise	Eugene, Ore.
Young, Janet	The Dalles, Ore.
Young, Sam E.	Springfield, Ore.
Young, Alice	Eugene, Ore.
Zachar, Henrietta Blume	Eugene, Ore.

SUMMARY OF OFFICERS AND INSTRUCTORS

Administration—		
Regents	14	
Other administrative officers	13	
		27
Instruction—		
Academic Colleges and Schools:		
Professors and Assistant Professors	48	
Instructors, Assistant Instructors and Student Assistants	18	
School of Music	12	
School of Medicine	26	
School of Law	12	
		116
		143
Deducting for names appearing more than once		9
Total officers and instructors		134

SUMMARY OF STUDENTS

Graduate School		9
College of Literature, Science and the Arts:		
Men	320	
Women	305	
		625
College of Engineering:		
Civil Engineering	46	
Electrical Engineering	52	
		98
Summer School		143
School of Law:		
Freshmen	126	
Juniors	73	
Seniors	61	
		260
School of Medicine:		
Freshmen	13	
Sophomores	18	
Juniors	19	
Seniors	26	
		76
School of Music		207
		1,418
Names appearing more than once		129
Total students in residence		1,289
Correspondence Study Department		444
		1,733
Total students in all departments		1,867
Total officers, instructors and students		1,867

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